SAMSUNG

LCD-TV

Chassis : N89B/N89A

Model : LA19C350D1
LA22C350D1
LA26C350D1
LA32C350D1

SERVICE *Manual*

TFT-LCD TV

LA19C350D1/LA22C350D1
LA26C350D1/LA32C350D1

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Refer to the service manual in the GSPN (see the rear cover) for the more information.

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GSPN (Global Service Partner Network)

Area	Web Site
North America	http://service.samsungportal.com
Latin America	http://latin.samsungportal.com
CIS	http://cis.samsungportal.com
Europe	http://europe.samsungportal.com
China	http://china.samsungportal.com
Asia	http://asia.samsungportal.com
Mideast & Africa	http://mea.samsungportal.com

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Printed in Korea
P/N: BN82-00739A-00

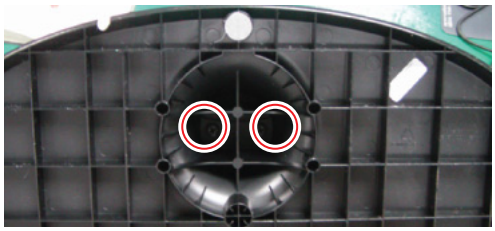
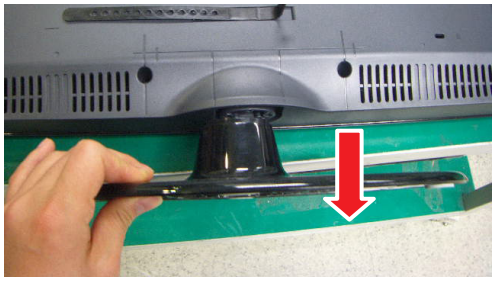
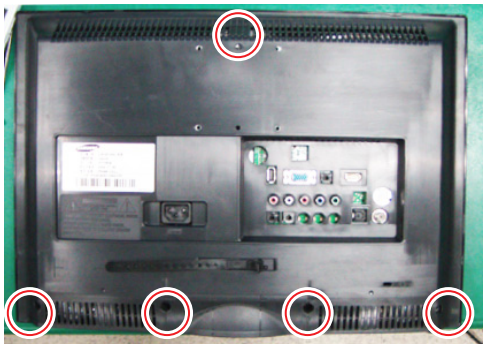
3. Disassembly and Reassembly

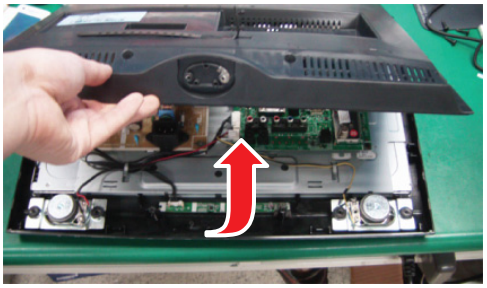
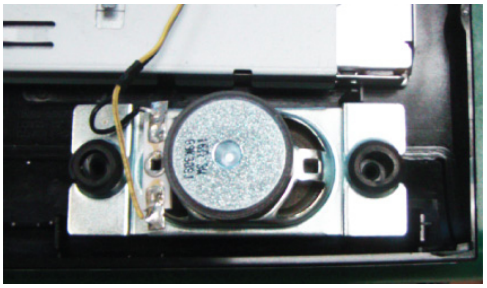
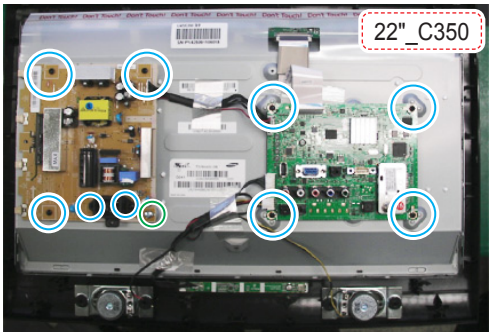
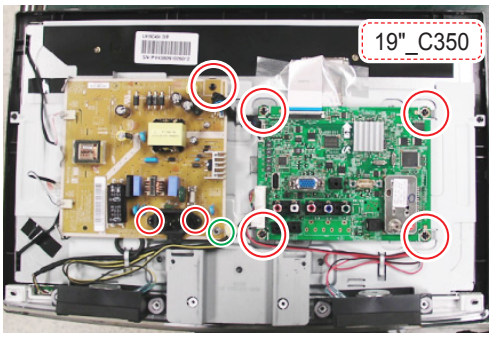
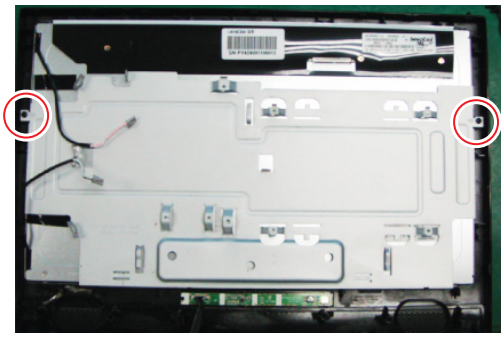
This section of the service manual describes the disassembly and reassembly procedures for the LCD TV.

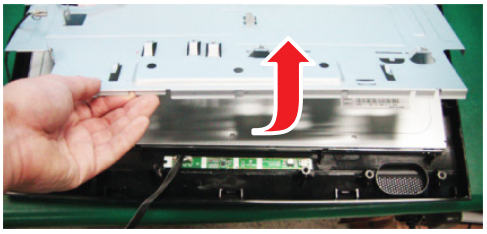
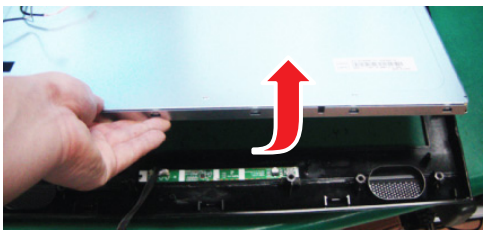
⚠ **WARNING:** This LCD TV contains electrostatically sensitive devices. Use caution when handling these components.

3-1. Disassembly and Reassembly (LA19", 22"C350)

⚠ **Cautions:** 1. Disconnect the LCD TV from the power source before disassembly.
2. Follow these directions carefully; never use metal instruments to pry apart the cabinet.

Description	Picture Description	Screws
1. Remove 4 Screws from the stand. Remove stand.		
		 6002-001294 (M4 x L16, Tapping)
		
2. Remove the 4 screws of rear-cover.		 6002-001294 (M4 x L16, Tapping)

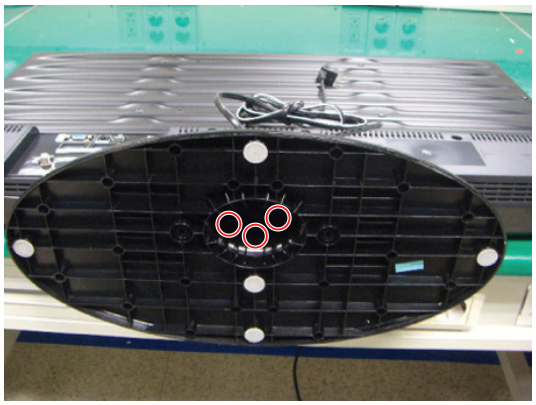
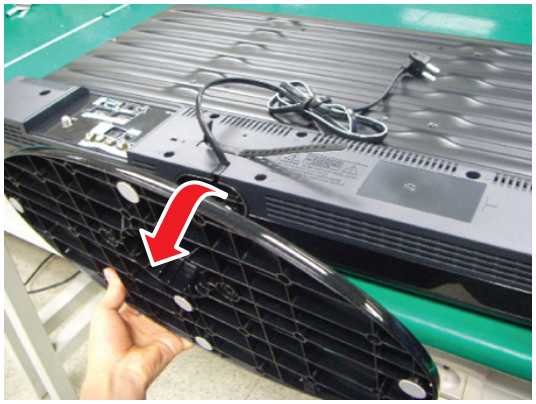
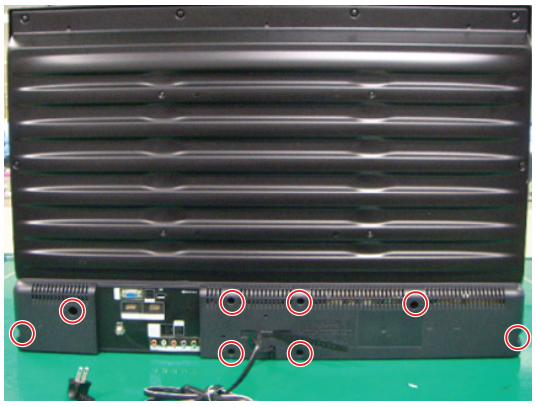
Description	Picture Description	Screws
3. Lift up the rear-cover.		
4. Remove the left and right speaker.		
5. Remove the 4 screws of main board and 4 screws (22"C350 : 6 screws) of IP board.	 	 6003-000269 (M3 x L6, TAPTYPE) 6003-001439 (M4 x L8, TAPTYPE) 6002-001294 (M4 x L16, Tapping)
6. Remove the 2 screws of bracket stand link. (22" C350 no screw)		 6001-000321 (M3 x L10, MACHINE)

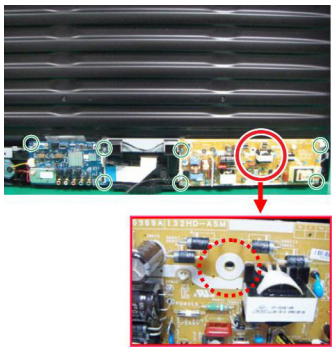
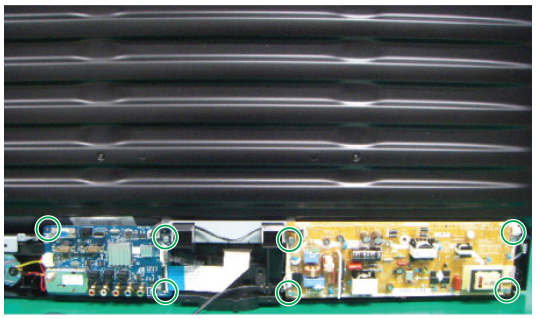
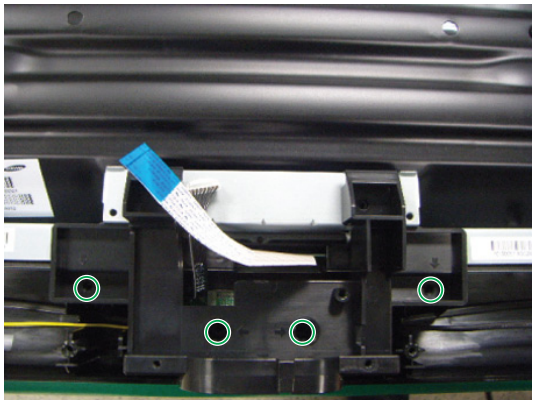
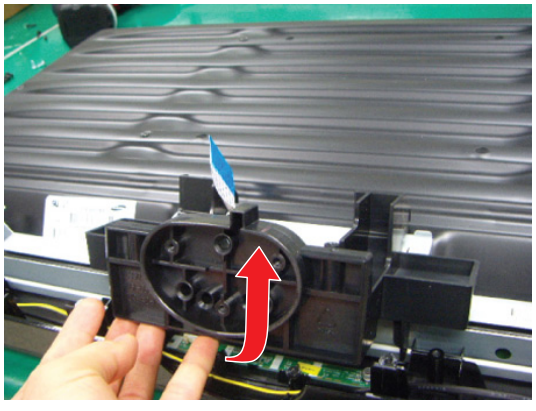
Description	Picture Description	Screws
7. Lift up the stand link.		
8. Lift up the panel.		

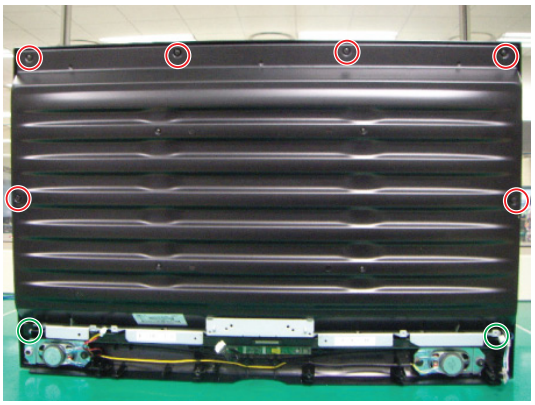
※ Reassembly procedures are in the reverse order of disassembly procedures.

3-2. Disassembly and Reassembly (LA26", 32"C350)

⚠ **Cautions:** 1. Disconnect the LCD TV from the power source before disassembly.
2. Follow these directions carefully; never use metal instruments to pry apart the cabinet.

Description	Picture Description	Screws
1. Place monitor face down on cushioned table. - Remove 3 screws from the stand. - Remove stand. - If you want to change the Main/IP board, stand removal is not required. (See the #5 - Remove Stand Link.)		
		 6002-001294 (M4, L16,Tapping)
		
2. Remove the 8 screws of rear-cover. - Lift up the rear-cover.		 6002-001294 (M4, L16,Tapping)

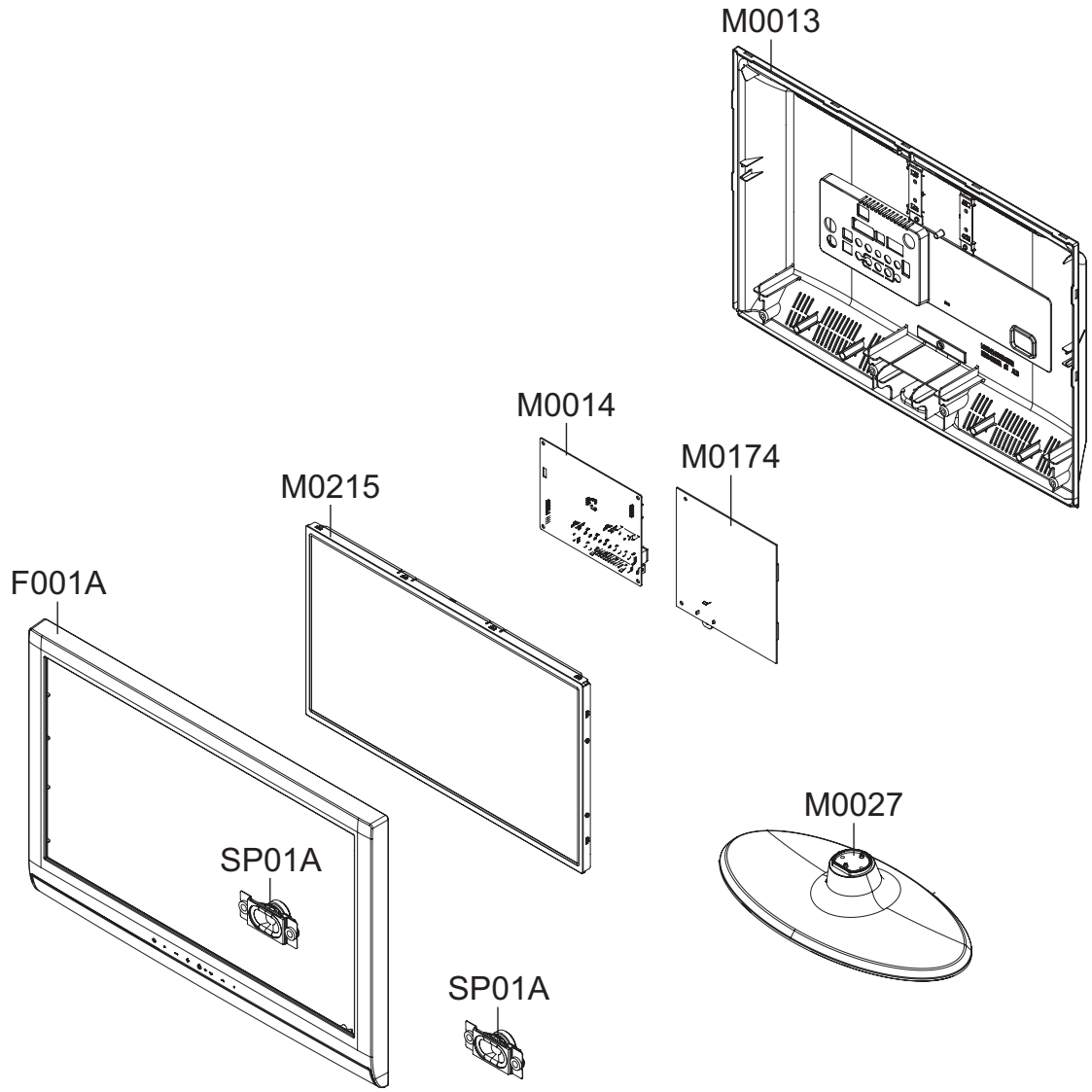
Description	Picture Description	Screws
3. Lift up the rear-cover.		
4. Remove the 3 screws of main board and 4 screws of IP board. Caution : This hole is the screw point to assemble the Rear Cover. 		 6003-001188 (M4, L10, TAPTYPE)
5. Remove the 4 screws of Stand Link. - Lift up the Stand Link.		 6003-001188 (M4, L10, TAPTYPE)
		

Description	Picture Description	Screws
6. Remove the 8 screws of Panel.		 6002-001294 (M4, L16,Tapping) 6003-001188 (M4, L10, TAPTYPE)
7. Lift up the panel.		

※ Reassembly procedures are in the reverse order of disassembly procedures.

5. Exploded View & Part List

5-1. LA22C350D1 Exploded View



5-2. LA22C350D1 Parts List

Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
F001A	BN96-12857E	ASSY COVER P-FRONT;LC350 22,CO,ABS+PMMA,	1	SA	
SP01A	BN96-13057C	ASSY SPEAKER P;16ohm,4pin,3W,L:350 R:400	1	SA	
M0215	BN07-00744A	LCD-PANEL;T216HA01-DB,LM216HA,6bit Hi-FR	1	SA	
M0014	BN94-03360F	ASSY PCB MAIN;22C350 XZ	1	SA	
M0174	BN44-00366A	IP BOARD-LIPS;PSIV550310A,H22HD_ASM,8.2m	1	SA	
R001A	BN96-12861C	ASSY COVER P-REAR;LC350 22,CO,HIPS,HB,BK	1	SA	
M0027	BN96-11887A	ASSY STAND P-BASE;LB450 22(VE),ABS+PMMA,	1	SA	

5-2-1. LA22C350D1 Parts List

Service Bom (SA: SERVICE AVAILABLE, SNA: SERVICE NOT AVAILABLE)

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
			LA22C350D1XXZ			
0.1	M0216	BN90-02281A	ASSY STAND;LB450 22(VE)	1	SNA	
..2	M0027	BN96-11887A	ASSY STAND P-BASE;LB450 22(VE),ABS+PMMA,	1	SA	
...3	CCM1	BN63-02183C	COVER-SHEET;Rhcm,PE Vinyl,T0.04,200mm,20	0.5	SNA	
...3		BN63-05911A	COVER-STAND BASE;22B450,ABS+PMMA,HB,BK00	1	SNA	
...3	AR011	BN73-00077A	RUBBER FOOT;MATISSE,BUMPON,#13.5,T2.0,60	4	SNA	
0.1		BN90-02518E	ASSY COVER FRONT;LC350 22	1	SNA	
..2	F001A	BN96-12857E	ASSY COVER P-FRONT;LC350 22,CO,ABS+PMMA,	1	SA	
...3	CCM1	BN63-02183D	COVER-SHEET;Rhcm,PE Vinyl,T0.04,680mm,20	0.45	SNA	
...3	F001	BN63-06674E	COVER-FRONT;LC350 22,CO,ABS+PMMA,HB,BK00	1	SNA	
...3	C457	BN64-01302A	WINDOW-REMOCON;32LC350,PC,V0,VIOLET	1	SNA	
...3		BN74-00052A	TAPE-PAPER;LB530,Crepe Paper,0.17mm, 10m	0.05	SNA	
...3	CCM1	BN63-02183T	COVER-SHEET;AMBER,PE,T0.08,440,200,CLEAR	1	SNA	
...3	M0125	BN96-13063D	ASSY BOARD P-TOUCH FUNCTION&IR;LN19(22)C	1	SA	
..2	SP01A	BN96-13057C	ASSY SPEAKER P;16ohm,4pin,3W,L:350 R:400	1	SA	
0.1	R001A	BN90-02522E	ASSY COVER REAR;LC350 22	1	SNA	
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	4	SA	
..2	R001A	BN96-12861C	ASSY COVER P-REAR;LC350 22,CO,HIPS,HB,BK	1	SA	
...3	M0113	BN61-01581A	BRACKET-VESA;BI17/19BS,SECC,T1.0	2	SNA	
...3	R001	BN63-06678B	COVER-REAR;LC350 22,SO,HIPS,HB,BK0020	1	SNA	
...3	T0071	BN64-01319B	INLAY-TERMINAL;LC450 22,CO,PS SHEET,T0.5	1	SNA	
...3	T0139	BN65-00002A	CLAMPER CORE;BORDEAUX,LDPE,BLK	1	SNA	
...3	T0069	AA60-00091J	SPACER-FELT;FELT,330X10,BLK,T0.5	1	SNA	
0.1		BN91-04215D	ASSY LCD-CHILIN;BN07-00744A	1	SNA	
..2	M0215	BN07-00744A	LCD-PANEL;T216HA01-DB,LM216HA,6bit Hi-FR	1	SA	
0.1	M0017	BN91-05073F	ASSY CHASSIS;22C350 XZ	1	SNA	
..2	M0014	BN94-03360F	ASSY PCB MAIN;22C350 XZ	1	SA	
...3		3701-001480	CONNECTOR-DSUB;15P,3R,FEMAIL,STAMPED PIN	1	SA	
...3	HB01A	3711-006715	HEADER-BOARD TO CABLE;BOX,4P,1R,2.5mm,AN	1	SNA	
...3	ET01	BN40-00142C	TUNER;HTM-8B/23B5S,HTM-8B/23B5S,PAL B/G,	1	SA	
...3	T0066	BN62-00042A	HEAT SINK-ES;30*30*5,Ceramic,T1.5,TAPE	1	SNA	
...3		BN97-00707A	ASSY HDCP;BN46-00018A,BR20/21BS_CS,MSTAR	1	SNA	
....4		BN46-00018A	KEY CODE-CERTIFICATE;(HDCP KEY)PPM42M5S,	1	SNA	
...3		BN97-04085A	ASSY SMD;LA19C350D1XXT,LC4E	1	SNA	
....4	DS01A	0401-000116	DIODE-SWITCHING;MMSD914T1,100V,200mA,SOD	5	SA	
....4	DS01A	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	11	SA	
....4	D1	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	3	SNA	
....4		0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	SA	
....4		0403-001779	DIODE-ZENER;MMSZ5234BT1G,5.89/6.51V,500m	5	SA	
....4		0403-001783	DIODE-ZENER;BZB84-C6V2,5.8/6.6V,300mW,SO	6	SNA	
....4	D0254	0404-001020	DIODE-SCHOTTKY;BAT54C,30V,200mA,SOT-23,T	2	SA	
....4	T0139	0406-001200	DIODE-TVS;RCLAMP0504F,6/-/-V,150W,SC-70	1	SA	
....4	Q101	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	10	SA	
....4	CEQ2	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	5	SA	
....4	Q409	0505-002560	FET-SILICON;AO6415,P,-20V,-3.3A,0.15ohm,	1	SA	
....4	Q409	0505-002572	FET-SILICON;AO4801AL,P,-30V,-5.6A,0.075o	1	SA	
....4	IC112	1103-001310	IC-EEPROM;24LC02B,256X8BIT,SOIC,8P,3.91X	2	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	IC112	1103-001385	IC-EEPROM;AT24C256,256Kbit,32Kx8,SOP,8P,	1	SA	
....4		1105-001931	IC-DDR2 SDRAM;K4T51163Q,DDR2-800,512Mbit	1	SA	
....4	T0085	1201-002487	IC-AUDIO AMP;MAX9728A,QFN,12P,3x3mm,DUAL	1	SA	
....4	T0124	1201-002993	IC-POWER AMP;TAS5715,HTQFP,48P,7x7mm,DUA	1	SA	
....4		1203-004364	IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P,	1	SA	
....4		1203-005559	IC-BACKLIGHT DRIVER;MP3302DJ,TSOT23,5P,2	1	SA	
....4		1203-006104	IC-DC/DC CONVERTER;MP8707EN,SOIC8E,8P,4.	1	SA	
....4	IC012	1203-006239	IC-POSI.ADJUST REG.;AP1117EGZ-13-89,SOT-	2	SA	
....4		1205-003201	IC-BUS SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm	3	SA	
....4		1205-003479	IC-SWITCH;TPS2051BDBVR,SOT-23,5P,2.9x1.6	1	SA	
....4	IC109	1205-003695	IC-LCD CONTROLLER;SEMS03-LF,PQFP,296P,32	1	SA	
....4		1405-001233	VARISTOR;30Vdc,5A,1.6x0.8x0.8mm,TP	9	SA	
....4		1405-001271	VARISTOR;20Vdc,5A,1.0x0.5x0.6mm,TP	3	SA	
....4	DR1	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	2	SA	
....4	PR4	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	3	SNA	
....4	PR6	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	2	SNA	
....4	ZPR3	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	1	SNA	
....4	AAR39	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	1	SNA	
....4	R105	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	60	SNA	
....4	AR49	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	5	SNA	
....4	MR306	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	3	SNA	
....4	R319	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	20	SNA	
....4	R104	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	43	SNA	
....4	HDR2	2007-000151	R-CHIP;15Kohm,5%,1/16W,TP,1005	6	SNA	
....4	MR36	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	9	SNA	
....4	MR13	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	2	SNA	
....4	R123	2007-000159	R-CHIP;56Kohm,5%,1/16W,TP,1005	1	SNA	
....4	DR39	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SNA	
....4	R509	2007-000170	R-CHIP;1Mohm,5%,1/16W,TP,1005	1	SNA	
....4	R111	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	14	SNA	
....4	HDR17	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SNA	
....4	R338	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	20	SNA	
....4	UR23	2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	14	SNA	
....4	MR39	2007-000242	R-CHIP;1.5Kohm,5%,1/16W,TP,1005	1	SNA	
....4	PPR2	2007-000343	R-CHIP;120ohm,1%,1/10W,TP,1608	1	SA	
....4	KR7	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA	
....4	MR9	2007-000455	R-CHIP;18Kohm,1%,1/10W,TP,1608	1	SA	
....4	FR6	2007-000536	R-CHIP;200ohm,1%,1/10W,TP,1608	1	SA	
....4	R38	2007-000640	R-CHIP;270ohm,1%,1/10W,TP,1608	1	SA	
....4	ER13	2007-000669	R-CHIP;2Kohm,1%,1/10W,TP,1608	1	SNA	
....4		2007-000755	R-CHIP;330Kohm,1%,1/10W,TP,1608	1	SA	
....4	R19	2007-000763	R-CHIP;330ohm,1%,1/10W,TP,1608	1	SNA	
....4	AR61	2007-000869	R-CHIP;4.7Kohm,1%,1/10W,TP,1608	1	SNA	
....4	DR37	2007-000932	R-CHIP;470ohm,5%,1/16W,TP,1005	5	SNA	
....4	R3505	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	3	SA	
....4	R858	2007-001007	R-CHIP;51Kohm,1%,1/10W,TP,1608	1	SA	
....4	R114	2007-001101	R-CHIP;62ohm,5%,1/10W,TP,1608	1	SA	
....4		2007-001237	R-CHIP;910ohm,1%,1/10W,TP,1608	2	SA	
....4		2007-001285	R-CHIP;5.6ohm,5%,1/16W,TP,1005	2	SA	
....4	OTR1	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	8	SNA	
....4	R326	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	3	SNA	

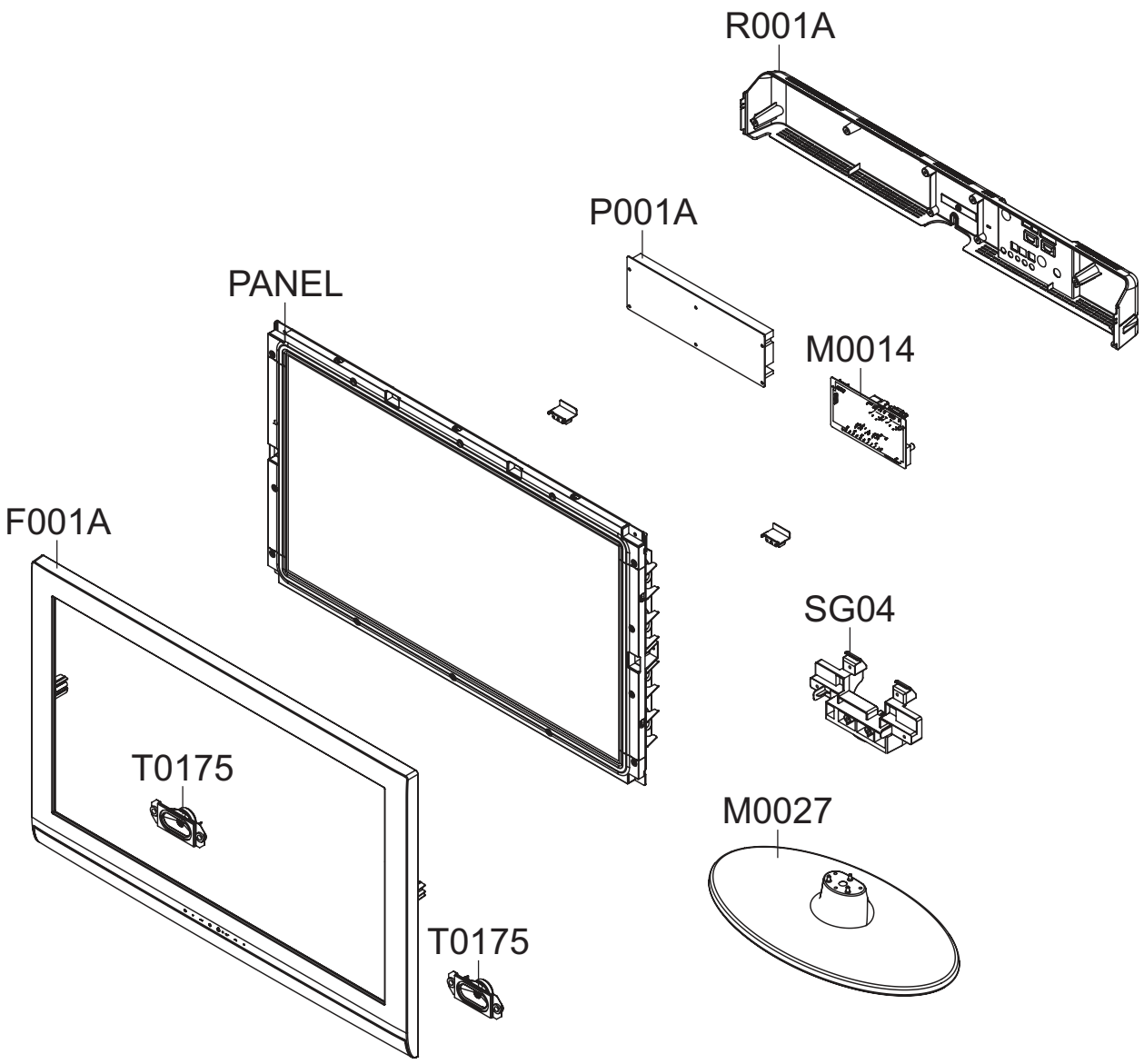
Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4		2007-001333	R-CHIP;18Kohm,5%,1/16W,TP,1005	1	SNA	
....4	R1	2007-002425	R-CHIP;1ohm,5%,1/10W,TP,1608	5	SNA	
....4	TR30	2007-007009	R-CHIP;75ohm,5%,1/16W,TP,1005	9	SNA	
....4	R365	2007-007107	R-CHIP;100Kohm,1%,1/16W,TP,1005	4	SNA	
....4	DR4	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	2	SNA	
....4		2007-007297	R-CHIP;110ohm,1%,1/10W,TP,1608	1	SA	
....4		2007-007319	R-CHIP;390ohm,1%,1/16W,TP,1005	1	SNA	
....4		2007-007334	R-CHIP;200Kohm,1%,1/16W,TP,1005	1	SNA	
....4	R8	2007-007721	R-CHIP;560ohm,1%,1/10W,TP,1608	1	SA	
....4		2007-007766	R-CHIP;2Kohm,1%,1/16W,TP,1005	1	SNA	
....4	PRN7	2011-001011	R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3	3	SA	
....4	DAR09	2011-001262	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,2.	10	SA	
....4	AD480	2203-000204	C-CER,CHIP;100nF,10%,25V,X7R,2012	1	SNA	
....4	PC43	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005	4	SA	
....4	C258	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	2	SA	
....4	C395	2203-000260	C-CER,CHIP;10nF,10%,50V,X7R,2012	1	SNA	
....4	RC34	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	1	SA	
....4	C254	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005	4	SA	
....4	C507	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005	5	SA	
....4	MC9	2203-000627	C-CER,CHIP;.022nF,5%,50V,C0G,TP,1005	2	SNA	
....4	DC25	2203-000812	C-CER,CHIP;.033nF,5%,50V,C0G,1005	8	SA	
....4	CK40B	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	1	SNA	
....4	AD480	2203-000995	C-CER,CHIP;.047nF,5%,50V,C0G,TP,1005	1	SA	
....4	AC124	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	2	SNA	
....4	AD480	2203-001412	C-CER,CHIP;0.03nF,5%,50V,NP0,TP,1005	2	SNA	
....4	AD480	2203-001428	C-CER,CHIP;470nF,10%,50V,X7R,TP,2012	1	SNA	
....4	AD480	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	3	SNA	
....4	AD480	2203-002525	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005	6	SNA	
....4	AC2	2203-002711	C-CER,CHIP;100nF,10%,25V,X7R,1608	1	SA	
....4	DC108	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	6	SC	
....4	AAC1	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	5	SNA	
....4	TE3	2203-005261	C-CER,CHIP;1000nF,10%,25V,X7R,TP,3216	1	SNA	
....4	AD480	2203-005533	C-CER,CHIP;1000nF,20%,6.3V,X7R,TP,1608	2	SNA	
....4	AD480	2203-005968	C-CER,CHIP;4.7NF,10%,50V,X7R,TP,1005	3	SNA	
....4	AD480	2203-006126	C-CER,CHIP;47nF,10%,16V,X7R,1005	18	SNA	
....4	PC11	2203-006141	C-CER,CHIP;1000nF,10%,16V,X5R,1608	1	SNA	
....4	C102	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,1005	66	SNA	
....4	AD480	2203-006307	C-CER,CHIP;1000nF,10%,25V,X5R,2012	5	SNA	
....4	AD480	2203-006336	C-CER,CHIP;10000nF,10%,25V,X5R,3216	7	SA	
....4	C802	2203-006348	C-CER,CHIP;1000nF,10%,25V,X5R,TP,1608	1	SA	
....4	C125	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,TP,2012	21	SC	
....4	C234	2203-006378	C-CER,CHIP;4700nF,10%,6.3V,X5R,TP,1608	10	SA	
....4	AD480	2203-006460	C-CER,CHIP;2200nF,10%,16V,X5R,1608	1	SA	
....4	HE4	2203-006474	C-CER,CHIP;22000nF,20%,6.3V,X5R,2012	2	SA	
....4	HDC11	2203-006562	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005	5	SNA	
....4	AD480	2203-006841	C-CER,CHIP;1000nF,10%,16V,X5R,1005	1	SNA	
....4	AD480	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,TP,1005	2	SNA	
....4	AD480	2203-007176	C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 (	4	SNA	
....4	AD480	2203-007233	C-CER,CHIP;22000nF,10%,16V,X5R,TP,3216	1	SA	
....4	VL6	2703-000398	INDUCTOR-SMD;10uH,10%,3225	9	SA	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	2	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	T0052	2703-003559	INDUCTOR-SMD;4.7uH,20%,8080	1	SNA	
....4	X202	2801-003773	CRYSTAL-SMD;12MHz,30ppm,28-AAN,20pF,50oh	1	SA	
....4	F103	2901-001506	FILTER-EMI SMD;5V,0.13A,0pF,2x1x0.5mm,TP	2	SA	
....4	DR32	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-	2	SNA	
....4	T0568	3301-001186	BEAD-SMD;600ohm,3216,2500mA,TP,553ohm/93	4	SA	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608	3	SNA	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	26	SA	
....4	T0568	3301-002039	BEAD-SMD;26ohm,1608,TP	1	SA	
....4	AC510	3708-001150	CONNECTOR-FPC/FFC/PIC;30P,1mm,SMD-A,SN,Y	1	SA	
....4	HB01A	3711-005940	HEADER-BOARD TO CABLE;BOX,9P,1R,2mm,SMD-	1	SNA	
....4	HB01A	3711-005941	HEADER-BOARD TO CABLE;BOX,8P,1R,2mm,SMD-	1	SA	
....4		BN41-01380A	PCB MAIN;Lola3 LC350 19/22inch,FR-4,4,1.	1	SNA	
....4		BN97-04125A	ASSY MICOM-SUB2;T-LL35MEAM-0111.0,L350,A	1	SNA	
.....5	IC115	1107-001777	IC-FLASH MEMORY;MX25L6405DMI-12G,64Mbit,	1	SNA	
....4	T0087	1203-006135	IC-POSI.FIXED REG.;AP1117D-33-GZ-13-89,T	1	SA	
....4	IC012	1203-006138	IC-POSI.ADJUST REG.;AP1117DGZ-13-89,TO-2	1	SA	
....4		0202-001767	SOLDER-CREAM;LST-5710,D20~38,Sn-57Bi-1Ag	8.5	SNA	
....4		0403-001416	DIODE-ZENER;MMSZ5227B,3.42-3.78V,500MW,S	1	SA	
....4	JC31	2203-000715	C-CER,CHIP;3.3nF,10%,50V,X7R,1608	4	SNA	
....4		3701-001591	CONNECTOR-HDMI;19P,2ROW,FEMALE,SMD-S,AU	1	SNA	
...3		3722-003051	JACK-PIN;3P W/L,NI/SN,YEL/WHT/RED,STRAIG	1	SA	
...3	JA333	3722-003052	JACK-PIN;5P+Shield W/L,NI/SN,GN/BL/RD/WH	1	SA	
...3		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.025	SNA	
...3	JA330	3722-003038	JACK-PHONE;7P/1C W/L,SN,BLK	2	SA	
...3		3722-003088	JACK-USB;4P/1C,NI/PD/AU/SN,GRY,STRAIGHT,	1	SA	
0.1		BN91-05078B	ASSY SHIELD;LA22C350D1XXT	1	SNA	
..2	T0081	6001-000321	SCREW-MACHINE;FH,+,M3,L10,NI PLT,SWRCH18	2	SA	
..2	S.N.A	6003-000269	SCREW-TAPTYPE;BH,+,-,S,M3,L6,ZPC(WHT),SW	8	SNA	
..2	M0081	6003-001439	SCREW-TAPTYPE;BH,+,S,M4,L8,ZPC(WHT),SWRC	1	SNA	
..2	M0174	BN44-00366A	IP BOARD-LIPS;PSIV550310A,H22HD_ASM,8.2m	1	SA	
..2	FL06	BN96-12447J	ASSY CABLE P-FFC;LA22C350,FFC,1mm PITCH,	1	SA	
..2	CIS1	0203-001586	TAPE-FILAMENT;#893,0.15,25,55	0.1	SNA	
0.1		BN92-05528E	ASSY BOX;LC350 22	1	SNA	
..2	T0077	BH68-00329D	LABEL BAR CODE-02;NO CE,NO WT`Y,MPRII,LA	1	SNA	
..2		BN69-04680G	BOX-SET;22LC350,CB,A-01,SW2, YEL,W588,D4	1	SNA	
..2	M0245	BN96-02895A	ASSY MISC P-01,HANDLE PACKING;ALL MODEL,	1	SNA	
...3		BN66-00007A	LEVER-TOP;ALL MODEL,LDPE,WHITE,5.8g	1	SNA	
...3		BN66-00008A	LEVER-BOTTOM;ALL MODEL,LDPE,WHITE,4.01g	1	SNA	
0.1		BN92-05532A	ASSY P/MATERIAL;LC450 22	1	SNA	
..2	T0214	0203-001595	TAPE-OPP MASKING;OPP-2,0.075,75,800M,CLR	1.48	SNA	
..2		6902-000061	BAG AIR;LDPE,T0.2,W500,L1000,TRP,370.000	1	SNA	
..2		6902-000379	BAG AIR;LDPE,T0.2,W1000,L1800,TRP,1260.0	1	SNA	
..2		6902-000604	BAG WRAPPING;LDPE,T0.02,W500,L10000,TRP,	1.48	SNA	
..2		6902-000609	BAG ROLL;LDPE,T0.05,W2400,L1000,TRP,30.0	0.03	SNA	
..2		AA69-03854J	PAD-PLATE;CB,SW,1175,920	1	SNA	
..2		BH69-00457D	PACKING-PAD;CY15PO,OTHER,T3.0	1	SNA	
..2	T0246	BN69-04643A	CUSHION-SET;22LC350,EPS,16.7g/l	1	SNA	
..2	T0524	6902-001067	BAG PE;HDPE/NITRON,T0.015/T0.5,W700,L600	1	SNA	
..2		BN69-00391P	PAD-ANGLE;OTHER,T4,50,2200,YEL	1	SNA	
..2		BN69-03507G	PALLET-WOOD;2233BW,WOOD,w1205,D955,H120,	1	SNA	
0.1	ACCE1	BN92-05865N	ASSY ACCESSORY;LA22C350D1XXZ	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
..2		BN96-13328N	ASSY ACCESSORY-MANUAL;LA22C350D1XXZ	1	SNA	
...3	T0524	6902-000110	BAG PE;LDPE,T0.05,W250,L400,TRP,28,2,9.2	1	SNA	
...3	T0527	AA68-00764A	LABEL-PASSING;SAMSUNG ALL,ART PAPER,CLR,	1	SNA	
...3	T0527	AA68-02517A	LABEL;PJTV(TTSEC),COPPERPLATE,50,75,YELL	1	SNA	
...3	T0059	AA68-03184A	MANUAL FLYER-CARD-07;ALL MODEL,CHINESE,2	1	SNA	
...3	T0527	BN68-00513A	LABEL-E,PASS;ALL MODEL,YUPO(110G),50X15,	1	SNA	
...3		BN68-02683G	MANUAL USERS-02,IB;Comm,Samsung,SC,China	1	SNA	
...3		BN68-02762B	MANUAL FLYER-STAND GUIDE;L350(19~22),SAM	1	SNA	
..2	ACCE2	BN96-14636G	ASSY ACCESSORY-CABLE;NEW MODEL	1	SNA	
...3	T0268	3903-000434	CBF-POWER CORD;DT,CN,IP3/YES,IEC320 C13-	1	SA	
...3	T0524	6902-001107	BAG PE;LDPE,T0.05,W450,L400,TRP,0,3Separ	1	SNA	
...3	M0254	AA59-00416A	ANT SHIELD BOX;UGC-AS-001A,PAL-BG,DK,I,M	1	SA	
...3		BN43-00004A	BATTERY;BM1L,BATTERY,MN,600mAh,7.9g	2	SNA	
...3	REMO2	BN59-01001A	REMOCON;TM940,SAMSUNG,20PIN SINGLE,39KEY	1	SA	
...3	T0527	BN68-00513A	LABEL-E,PASS;ALL MODEL,YUPO(110G),50X15,	1	SNA	
...3	M0045	BN96-01800C	ASSY ACCESSORY;PEONY/ROSE,-,KO,-,-,Witho	1	SNA	
....4	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	2	SA	
....4		6902-000683	BAG ZIPPER;LDPE,T0.05,W60,L60,TRP,4-PE M	1	SNA	
0.1		BN92-05876E	ASSY LABEL;LA22C350D1XXZ	1	SNA	
..2	CCM1	BN68-01176A	LABEL RATING;W/W,SS,PET POLYESTER,T0.05,	1	SNA	
..2		BN68-02556A	LABEL-LCD-POP;L350(22/19),Asia,PET,T0.05	1	SNA	

5. Exploded View & Part List

5-1. LA26C350D1 Exploded View



5-2. LA26C350D1 Parts List

Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
F001A	BN96-12858E	ASSY COVER P-FRONT;LC350 26,CO,ABS+PMMA,	1	SA	
T0175	BN96-13058A	ASSY SPEAKER P;16ohm,4pin,5W,L:600 R:150	1	SA	
PANEL	BN07-00866A	LCD-PANEL;T260HA01-DB,CLC3AC1,8bits,26,1	1	SA	
P001A	BN44-00368A	IP BOARD-TV;PSIV101510A,I26HD_ASM,11mA,1	1	SA	
M0014	BN94-03360C	ASSY PCB MAIN;26C350 XZ	1	SA	
R001A	BN96-12862C	ASSY COVER P-REAR;LC350 26,CO,HIPS,HB,BK	1	SA	
SG04	BN61-06270B	GUIDE-STAND LINK;LC350 32,ABS,HB,BK0020	1	SA	
M0027	BN96-12869A	ASSY STAND P-BASE;LC350 26,ABS+PMMA,HB,B	1	SA	

5-2-1. LA26C350D1 Parts List

Service Bom (SA: SERVICE AVAILABLE, SNA: SERVICE NOT AVAILABLE)

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
			LA26C350D1XXZ			
0.1		BN90-02519E	ASSY COVER FRONT;LC350 26	1	SNA	
..2	F001A	BN96-12858E	ASSY COVER P-FRONT;LC350 26,CO,ABS+PMMA,	1	SA	
...3	M0081	6006-001096	SCREW-TAPTYPE;BH,+,WP,B,M4.0,L12,ZPC(BLK	4	SNA	
...3	T0069	BN60-00048A	SPACER-FELT;50Q9,FELT,620L,BLK,0.35T,10W	2	SNA	
...3	CCM1	BN63-02183F	COVER-SHEET;Rhcm,PE Vinyl,T0.04,900mm,20	0.55	SNA	
...3	F001	BN63-06675E	COVER-FRONT;LC350 26,CO,ABS+PMMA,HB,BK00	1	SNA	
...3	C457	BN64-01302A	WINDOW-REMOCON;32LC350,PC,V0,VIOLET	1	SNA	
...3	M0125	BN96-13063B	ASSY BOARD P-TOUCH FUNCTION&IR;LC350,FR-	1	SA	
...3	T0175	BN96-13058A	ASSY SPEAKER P;16ohm,4pin,5W,L:600 R:150	1	SA	
...3		BN74-00052A	TAPE-PAPER;LB530,Crepe Paper,0.17mm, 10m	0.15	SNA	
...3	CCM1	BN63-02183R	COVER-SHEET;AMBER,PE,T0.08,750,200,CLEAR	1	SNA	
0.1	R001A	BN90-02523C	ASSY COVER REAR;LC350 26	1	SNA	
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	8	SA	
..2	R001A	BN96-12862C	ASSY COVER P-REAR;LC350 26,CO,HIPS,HB,BK	1	SA	
...3	T0069	AA60-00091D	SPACER-FELT;FELT,200X10,BLK,T0.35	2	SNA	
...3	R001	BN63-06679B	COVER-REAR;LC350 26,SO,HIPS,HB,BK0020	1	SNA	
...3	T0071	BN64-01322B	INLAY-TERMINAL;LC350 26/32,CO,PS SHEET,T	1	SNA	
...3	T0139	BN65-00002A	CLAMPER CORE;BORDEAUX,LDPE,BLK	1	SNA	
0.1	M0216	BN90-02526A	ASSY STAND;LC350 26	1	SNA	
..2	M0027	BN96-12869A	ASSY STAND P-BASE;LC350 26,ABS+PMMA,HB,B	1	SA	
...3	CCM1	BN63-02183D	COVER-SHEET;Rhcm,PE Vinyl,T0.04,680mm,20	0.4	SNA	
...3		BN63-06687A	COVER-STAND BASE;LC350 26,ABS+PMMA,HB,BK	1	SNA	
...3	M0126	BN73-00052B	RUBBER-FOOT;42Q9,c9,CR Rubber Gray,T3.0	4	SNA	
0.1		BN91-05046A	ASSY LCD-CHILIN;BN07-00866A	1	SNA	
..2	PANEL	BN07-00866A	LCD-PANEL;T260HA01-DB,CLC3AC1,8bits,26,1	1	SA	
0.1	M0017	BN91-05073C	ASSY CHASSIS;26C350 XZ	1	SNA	
..2	M0014	BN94-03360C	ASSY PCB MAIN;26C350 XZ	1	SA	
...3		3701-001480	CONNECTOR-DSUB;15P,3R,FEMAIL,STAMPED PIN	1	SA	
...3	HB01A	3711-006715	HEADER-BOARD TO CABLE;BOX,4P,1R,2.5mm,AN	1	SNA	
...3	HB01A	3711-007321	HEADER-BOARD TO CABLE;BOX,12P,2R,2mm,STR	1	SA	
...3	ET01	BN40-00142C	TUNER;HTM-8B/23B5S,HTM-8B/23B5S,PAL B/G,	1	SA	
...3		BN97-04085C	ASSY SMD;26C350 XZ,LC4E	1	SNA	
....4	DS01A	0401-000116	DIODE-SWITCHING;MMSD914T1,100V,200mA,SOD	6	SA	
....4	DS01A	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	10	SA	
....4	D1	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	2	SNA	
....4		0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	SA	
....4		0403-001779	DIODE-ZENER;MMSZ5234BT1G,5.89/6.51V,500m	5	SA	
....4		0403-001783	DIODE-ZENER;BZB84-C6V2,5.8/6.6V,300mW,SO	6	SNA	
....4	D0254	0404-001020	DIODE-SCHOTTKY;BAT54C,30V,200mA,SOT-23,T	2	SA	
....4	Q101	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	11	SA	
....4	CEQ2	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	5	SA	
....4	Q409	0505-002560	FET-SILICON;AO6415,P,-20V,-3.3A,0.15ohm,	1	SA	
....4	Q409	0505-002572	FET-SILICON;AO4801AL,P,-30V,-5.6A,0.075o	1	SA	
....4	IC112	1103-001310	IC-EEPROM;24LC02B,256X8BIT,SOIC,8P,3.91X	2	SNA	
....4		1105-001931	IC-DDR2 SDRAM;K4T51163Q,DDR2-800,512Mbit	1	SA	
....4	T0085	1201-002849	IC-AUDIO AMP;DRV603,TSSOP,14P,5x4.4mm,DU	1	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4		1203-004364	IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P,	1	SA	
....4		1203-005559	IC-BACKLIGHT DRIVER;MP3302DJ,TSOT23,5P,2	1	SA	
....4		1203-006104	IC-DC/DC CONVERTER;MP8707EN,SOIC8E,8P,4.	1	SA	
....4		1205-003201	IC-BUS SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm	3	SA	
....4		1205-003479	IC-SWITCH;TPS2051BDBVR,SOT-23,5P,2.9x1.6	1	SA	
....4	IC109	1205-003695	IC-LCD CONTROLLER;SEMS03-LF,PQFP,296P,32	1	SA	
....4		1405-001233	VARISTOR;30Vdc,5A,1.6x0.8x0.8mm,TP	9	SA	
....4	DR1	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	2	SA	
....4	PR4	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	3	SNA	
....4	ZPR3	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	1	SNA	
....4	R105	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	58	SNA	
....4	AR49	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	2	SNA	
....4	MR306	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	3	SNA	
....4	R319	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	18	SNA	
....4	R104	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	41	SNA	
....4	HDR2	2007-000151	R-CHIP;15Kohm,5%,1/16W,TP,1005	6	SNA	
....4	MR36	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	7	SNA	
....4	R123	2007-000159	R-CHIP;56Kohm,5%,1/16W,TP,1005	1	SNA	
....4	DR39	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SNA	
....4	R509	2007-000170	R-CHIP;1Mohm,5%,1/16W,TP,1005	1	SNA	
....4	R111	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	15	SNA	
....4	HDR17	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SNA	
....4	R338	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	20	SNA	
....4	UR23	2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	12	SNA	
....4	PPR2	2007-000343	R-CHIP;120ohm,1%,1/10W,TP,1608	1	SA	
....4	KR7	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA	
....4	MR9	2007-000455	R-CHIP;18Kohm,1%,1/10W,TP,1608	1	SA	
....4	FR6	2007-000536	R-CHIP;200ohm,1%,1/10W,TP,1608	1	SA	
....4	R38	2007-000640	R-CHIP;270ohm,1%,1/10W,TP,1608	1	SA	
....4	ER13	2007-000669	R-CHIP;2Kohm,1%,1/10W,TP,1608	1	SNA	
....4		2007-000755	R-CHIP;330Kohm,1%,1/10W,TP,1608	1	SA	
....4	R19	2007-000763	R-CHIP;330ohm,1%,1/10W,TP,1608	1	SNA	
....4	AR61	2007-000869	R-CHIP;4.7Kohm,1%,1/10W,TP,1608	1	SNA	
....4	DR37	2007-000932	R-CHIP;470ohm,5%,1/16W,TP,1005	8	SNA	
....4	R3505	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	3	SA	
....4	R858	2007-001007	R-CHIP;51Kohm,1%,1/10W,TP,1608	1	SA	
....4	R114	2007-001101	R-CHIP;62ohm,5%,1/10W,TP,1608	1	SA	
....4		2007-001237	R-CHIP;910ohm,1%,1/10W,TP,1608	2	SA	
....4	OTR1	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	8	SNA	
....4	R326	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	3	SNA	
....4		2007-001333	R-CHIP;18Kohm,5%,1/16W,TP,1005	1	SNA	
....4	R1	2007-002425	R-CHIP;1ohm,5%,1/10W,TP,1608	5	SNA	
....4	TR30	2007-007009	R-CHIP;75ohm,5%,1/16W,TP,1005	9	SNA	
....4	R365	2007-007107	R-CHIP;100Kohm,1%,1/16W,TP,1005	6	SNA	
....4	DR4	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	2	SNA	
....4		2007-007297	R-CHIP;110ohm,1%,1/10W,TP,1608	1	SA	
....4		2007-007319	R-CHIP;390ohm,1%,1/16W,TP,1005	1	SNA	
....4		2007-007334	R-CHIP;200Kohm,1%,1/16W,TP,1005	1	SNA	
....4	R8	2007-007721	R-CHIP;560ohm,1%,1/10W,TP,1608	1	SA	
....4		2007-007766	R-CHIP;2Kohm,1%,1/16W,TP,1005	1	SNA	
....4	PRN7	2011-001011	R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3	3	SA	

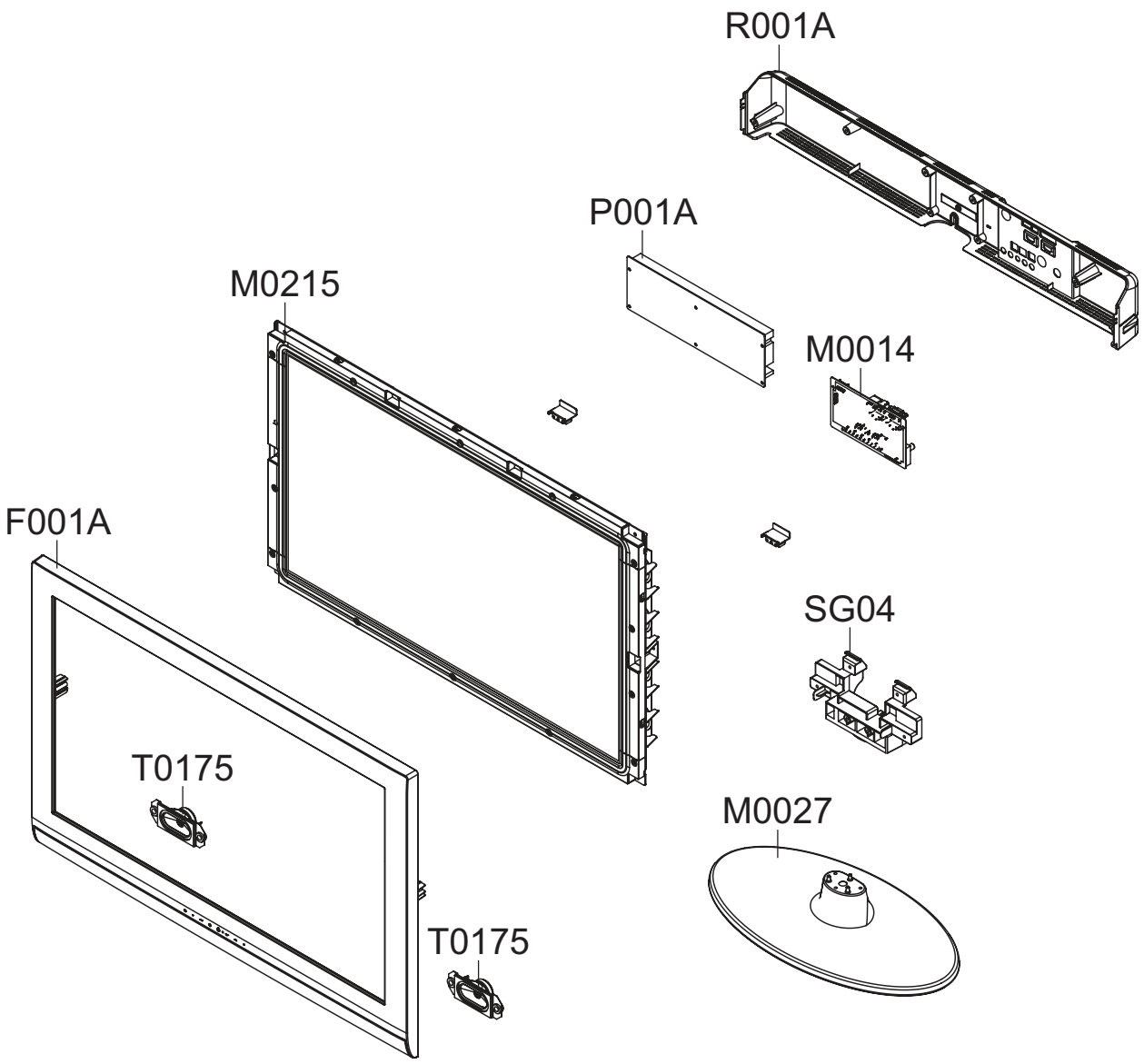
Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	DAR09	2011-001262	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,2.	10	SA	
....4	AD480	2203-000204	C-CER,CHIP;100nF,10%,25V,X7R,2012	1	SNA	
....4	PC43	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005	4	SA	
....4	C258	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	2	SA	
....4	C706	2203-000239	C-CER,CHIP;0.1nF,5%,50V,C0G,2012	2	SNA	
....4	C395	2203-000260	C-CER,CHIP;10nF,10%,50V,X7R,2012	1	SNA	
....4	RC34	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	3	SA	
....4	C254	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005	4	SA	
....4	C507	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005	3	SA	
....4	MC9	2203-000627	C-CER,CHIP;.022nF,5%,50V,C0G,TP,1005	2	SNA	
....4	DC25	2203-000812	C-CER,CHIP;.033nF,5%,50V,C0G,1005	8	SA	
....4	CK40B	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	1	SNA	
....4	AD480	2203-000995	C-CER,CHIP;.047nF,5%,50V,C0G,TP,1005	3	SA	
....4	AD480	2203-001412	C-CER,CHIP;0.03nF,5%,50V,NP0,TP,1005	2	SNA	
....4	AD480	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	3	SNA	
....4	AD480	2203-002525	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005	6	SNA	
....4	AC2	2203-002711	C-CER,CHIP;100nF,10%,25V,X7R,1608	1	SA	
....4	DC108	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	6	SC	
....4	AAC1	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	6	SNA	
....4	TE3	2203-005261	C-CER,CHIP;1000nF,10%,25V,X7R,TP,3216	1	SNA	
....4	AD480	2203-005968	C-CER,CHIP;4.7NF,10%,50V,X7R,TP,1005	3	SNA	
....4	AD480	2203-006126	C-CER,CHIP;47nF,10%,16V,X7R,1005	16	SNA	
....4	PC11	2203-006141	C-CER,CHIP;1000nF,10%,16V,X5R,1608	1	SNA	
....4	C102	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,1005	65	SNA	
....4	AD480	2203-006307	C-CER,CHIP;1000nF,10%,25V,X5R,2012	4	SNA	
....4	AD480	2203-006336	C-CER,CHIP;10000nF,10%,25V,X5R,3216	6	SA	
....4	C125	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,TP,2012	19	SC	
....4	C234	2203-006378	C-CER,CHIP;4700nF,10%,6.3V,X5R,TP,1608	10	SA	
....4	HDC11	2203-006562	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005	7	SNA	
....4	AD480	2203-006841	C-CER,CHIP;1000nF,10%,16V,X5R,1005	1	SNA	
....4	AD480	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,TP,1005	4	SNA	
....4	AD480	2203-007176	C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 (	8	SNA	
....4	VL6	2703-000398	INDUCTOR-SMD;10uH,10%,3225	9	SA	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	2	SA	
....4	T0052	2703-003559	INDUCTOR-SMD;4.7uH,20%,8080	1	SNA	
....4	X202	2801-003773	CRYSTAL-SMD;12MHz,30ppm,28-AAN,20pF,50oh	1	SA	
....4	F103	2901-001506	FILTER-EMI SMD;5V,0.13A,0pF,2x1x0.5mm,TP	2	SA	
....4	DR32	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-	2	SNA	
....4	T0568	3301-001186	BEAD-SMD;600ohm,3216,2500mA,TP,553ohm/93	4	SA	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608	3	SNA	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	25	SA	
....4	AC510	3708-001150	CONNECTOR-FPC/FFC/PIC;30P,1mm,SMD-A,SN,Y	1	SA	
....4	HB01A	3711-005941	HEADER-BOARD TO CABLE;BOX,8P,1R,2mm,SMD-	1	SA	
....4		BN41-01372A	PCB MAIN;Lola3 LC350 32inch,FR-4,4,1.0,1	1	SNA	
....4		BN97-04125A	ASSY MICOM-SUB2;T-LL35MEAM-0111.0,L350,A	1	SNA	
.....5	IC115	1107-001777	IC-FLASH MEMORY;MX25L6405DMI-12G,64Mbit,	1	SNA	
....4	T0139	0406-001200	DIODE-TVS;RCLAMP0504F,6/-/-V,150W,SC-70	1	SA	
....4	IC112	1103-001385	IC-EEPROM;AT24C256,256Kbit,32Kx8,SOP,8P,	1	SA	
....4	T0124	1201-002993	IC-POWER AMP;TAS5715,HTQFP,48P,7x7mm,DUA	1	SA	
....4	IC012	1203-006239	IC-POSI.ADJUST REG.;AP1117EGZ-13-89,SOT-	2	SA	
....4		1405-001271	VARISTOR;20Vdc,5A,1.0x0.5x0.6mm,TP	3	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	RZ07	2007-000156	R-CHIP;30Kohm,5%,1/16W,TP,1005	4	SA	
....4	MR39	2007-000242	R-CHIP;1.5Kohm,5%,1/16W,TP,1005	1	SNA	
....4		2007-001285	R-CHIP;5.6ohm,5%,1/16W,TP,1005	2	SA	
....4	AD480	2203-001428	C-CER,CHIP;470nF,10%,50V,X7R,TP,2012	1	SNA	
....4	C802	2203-006348	C-CER,CHIP;1000nF,10%,25V,X5R,TP,1608	1	SA	
....4	AD480	2203-006460	C-CER,CHIP;2200nF,10%,16V,X5R,1608	1	SA	
....4	HE4	2203-006474	C-CER,CHIP;22000nF,20%,6.3V,X5R,2012	2	SA	
....4	AD480	2203-007233	C-CER,CHIP;22000nF,10%,16V,X5R,TP,3216	1	SA	
....4	T0568	3301-002039	BEAD-SMD;26ohm,1608,TP	1	SA	
....4		0202-001767	SOLDER-CREAM;LST-5710,D20~38,Sn-57Bi-1Ag	2.5	SNA	
....4		0403-001416	DIODE-ZENER;MMSZ5227B,3.42-3.78V,500MW,S	1	SA	
....4	T0087	1203-006135	IC-POSI.FIXED REG.;AP1117D-33-GZ-13-89,T	1	SA	
....4	IC012	1203-006138	IC-POSI.ADJUST REG.;AP1117DGZ-13-89,TO-2	1	SA	
....4	PR6	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	2	SNA	
....4	JC31	2203-000715	C-CER,CHIP;3.3nF,10%,50V,X7R,1608	4	SNA	
....4		3701-001591	CONNECTOR-HDMI;19P,2ROW,FEMALE,SMD-S,AU	1	SNA	
...3		3722-003051	JACK-PIN;3P W/L,NI/SN,YEL/WHT/RED,STRAIG	1	SA	
...3	JA333	3722-003052	JACK-PIN;5P+Shield W/L,NI/SN,GN/BL/RD/WH	1	SA	
...3	T0066	BN62-00042A	HEAT SINK-ES;30*30*5,Ceramic,T1.5,TAPE	1	SNA	
...3		BN97-00688A	ASSY HDCP;BN46-00018A,PS-42V6S,D73A,GENE	1	SNA	
....4		BN46-00018A	KEY CODE-CERTIFICATE;(HDCP KEY)PPM42M5S,	1	SNA	
...3		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.025	SNA	
...3	JA330	3722-003038	JACK-PHONE;7P/1C W/L,SN,BLK	2	SA	
...3		3722-003088	JACK-USB;4P/1C,NI/PD/AU/SN,GRY,STRAIGHT,	1	SA	
0.1		BN92-05555C	ASSY BOX;LC350 26	1	SNA	
..2	T0077	BH68-00329D	LABEL BAR CODE-02;NO CE,NO WT`Y,MPRII,LA	1	SNA	
..2		BN69-04689G	BOX-01,SET;26LC350,CB,A-01,DW2,YEL,W748,	1	SNA	
0.1		BN92-05559A	ASSY P/MATERIAL;LC350 26	1	SNA	
..2	T0214	0203-001595	TAPE-OPP MASKING;OPP-2,0.075,75,800M,CLR	1.8	SNA	
..2		6902-000061	BAG AIR;LDPE,T0.2,W500,L1000,TRP,370.000	1	SNA	
..2	T0524	6902-000358	BAG PE;HDPE/NITRON,T0.015/T0.5,W900,L700	1	SNA	
..2		6902-000379	BAG AIR;LDPE,T0.2,W1000,L1800,TRP,1260.0	1	SNA	
..2		6902-000604	BAG WRAPPING;LDPE,T0.02,W500,L10000,TRP,	2.71	SNA	
..2		6902-000609	BAG ROLL;LDPE,T0.05,W2400,L1000,TRP,30.0	0.04	SNA	
..2		AA69-03190X	PAD-PLATE;CB SW-2,1110,750	1	SNA	
..2		BH69-00457C	PACKING INNER-00,PAD;COMM,OTHER,T3.0,880	1	SNA	
..2	T0246	BN69-04644A	CUSHION-SET;26LC350,EPS,16.7g/l	1	SNA	
..2		BN69-00391P	PAD-ANGLE;OTHER,T4,50,2200,YEL	1	SNA	
..2	T0603	BN69-00617J	PALLET-PACKING;TS15AS,OTHER,1150,780,120	1	SNA	
0.1	ACCE1	BN92-05865C	ASSY ACCESSORY;LA26C350D1XXZ	1	SNA	
..2		BN96-14507W	ASSY ACCESSORY-MANUAL;NEW MODEL	1	SNA	
...3	T0524	6902-000110	BAG PE;LDPE,T0.05,W250,L400,TRP,28,2,9.2	1	SNA	
...3	T0059	AA68-03184A	MANUAL FLYER-CARD-07;ALL MODEL,CHINESE,2	1	SNA	
...3	T0527	BN68-00513A	LABEL-E,PASS;ALL MODEL,YUPO(110G),50X15,	1	SNA	
...3		BN68-02683G	MANUAL USERS-02,IB;Comm,Samsung,SC,China	1	SNA	
...3		BN68-02763B	MANUAL FLYER-STAND GUIDE;L350(26~32),SAM	1	SNA	
..2	ACCE2	BN96-14636D	ASSY ACCESSORY-CABLE;NEW MODEL	1	SNA	
...3	T0524	6902-001107	BAG PE;LDPE,T0.05,W450,L400,TRP,0,3Separ	1	SNA	
...3		BN43-00004A	BATTERY;BM1L,BATTERY,MN,600mAh,7.9g	2	SNA	
...3	REMO2	BN59-01001A	REMOCON;TM940,SAMSUNG,20PIN SINGLE,39KEY	1	SA	
...3	T0527	BN68-00513A	LABEL-E,PASS;ALL MODEL,YUPO(110G),50X15,	1	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
...3		BN96-01800K	ASSY ACCESSORY-SCREW ZIPPER;10 LCD-TV,60	1	SNA	
....4	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	3	SA	
....4	T0524	6902-001169	BAG PE;LDPE,T0.1,W60,L60,Sealing	1	SNA	
0.1		BN92-05876B	ASSY LABEL;26C350 XZ	1	SNA	
..2	CCM1	BN68-01176A	LABEL RATING;W/W,SS,PET POLYESTER,T0.05,	1	SNA	
..2		BN68-02557A	LABEL-LCD-POP;L350(32/26),Asia,PET,T0.05	1	SNA	
0.1		BN91-05508H	ASSY SHIELD;NEW MODEL	1	SNA	
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	6	SA	
..2	M0081	6003-001188	SCREW-TAPTYPE;BH,+,-,B,M4,L10,ZPC(WHT),S	13	SNA	
..2	P001A	BN44-00368A	IP BOARD-TV;PSIV101510A,I26HD_ASM,11mA,1	1	SA	
..2	SG04	BN61-06270B	GUIDE-STAND LINK;LC350 32,ABS,HB,BK0020	1	SA	
..2		BN63-07205A	SHIELD-COVER;LC350 26/32,SPTE,T0.5	1	SNA	
..2		BN73-00212D	RUBBER-SPACER;LC350 32inch,CR Rubber,W10	1	SNA	
..2	M0230	BN96-12469B	ASSY CABLE P-FFC;LC350_26",FFC,160mm,30p	1	SA	
..2	EC11	BN96-12845H	ASSY POWER CORD;250 / 6A,LSG-21L,IEC 52	1	SA	
..2		BN98-02750A	ASSY K/D-LEAD CONNECTOR;C350	1	SNA	
...3	M2893	BN39-01278A	LEAD CONNECTOR;LC350,Flat Connector Ass'	1	SA	

5. Exploded View & Part List

5-1. LA32C350D1 Exploded View



5-2. LA32C350D1 Parts List

Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
F001A	BN96-12859G	ASSY COVER P-FRONT;LC350 32,CO,ABS+PMMA,	1	SA	
T0175	BN96-13058A	ASSY SPEAKER P;16ohm,4pin,5W,L:600 R:150	1	SA	
M0215	BN07-00867A	LCD-PANEL;T315HA01-DB,CLC4AC1,8bits,32,1	1	SA	
P001A	BN44-00369A	IP BOARD-TV;PSIV121510A,I32HD_ASM,11mA,1	1	SA	
M0014	BN94-03484U	ASSY PCB MAIN;MODEL	1	SA	
R001A	BN96-12863C	ASSY COVER P-REAR;LC350 32,CO,HIPS,HB,BK	1	SA	
SG04	BN61-06270B	GUIDE-STAND LINK;LC350 32,ABS,HB,BK0020	1	SA	
M0027	BN96-12870A	ASSY STAND P-BASE;LC350 32,ABS+PMMA,HB,B	1	SA	

5-2-1. LA32C350D1 Parts List

Service Bom (SA: SERVICE AVAILABLE, SNA: SERVICE NOT AVAILABLE)

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
			LA32C350D1XXZ			
0.1		BN90-02520G	ASSY COVER FRONT;LC350 32	1	SNA	
..2	F001A	BN96-12859G	ASSY COVER P-FRONT;LC350 32,CO,ABS+PMMA,	1	SA	
...3	M0081	6006-001096	SCREW-TAPTYPE;BH,+,WP,B,M4.0,L12,ZPC(BLK	3	SNA	
...3	CCM1	BN63-02183F	COVER-SHEET;Rhcm,PE Vinyl,T0.04,900mm,20	0.6	SNA	
...3	F001	BN63-06676G	COVER-FRONT;LC350 32,CO,ABS+PMMA,HB,BK00	1	SNA	
...3	C457	BN64-01302A	WINDOW-REMOCON;32LC350,PC,V0,VIOLET	1	SNA	
...3	M0125	BN96-13063B	ASSY BOARD P-TOUCH FUNCTION&IR;LC350,FR-	1	SA	
...3	T0069	BP60-00015R	SPACER-FELT;L450,FELT,L710,BLK,T0.35,W10	2	SNA	
...3	T0175	BN96-13058A	ASSY SPEAKER P;16ohm,4pin,5W,L:600 R:150	1	SA	
...3		BN74-00052A	TAPE-PAPER;LB530,Crepe Paper,0.17mm, 10m	0.25	SNA	
...3		BN63-05940H	COVER-SHEET;PE,T0.08,620mm,200M,CLEAR,40	1	SNA	
0.1	R001A	BN90-02524C	ASSY COVER REAR;LC350 32	1	SNA	
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	8	SA	
..2	R001A	BN96-12863C	ASSY COVER P-REAR;LC350 32,CO,HIPS,HB,BK	1	SA	
...3		BN63-00870A	FELT;AS17UO,FELT,0.3,10,287	2	SNA	
...3	R001	BN63-06680B	COVER-REAR;LC350 32,SO,HIPS,HB,BK0020	1	SNA	
...3	T0071	BN64-01322B	INLAY-TERMINAL;LC350 26/32,CO,PS SHEET,T	1	SNA	
...3	T0139	BN65-00002A	CLAMPER CORE;BORDEAUX,LDPE,BLK	1	SNA	
0.1	M0216	BN90-02527A	ASSY STAND;LC350 32	1	SNA	
..2	M0027	BN96-12870A	ASSY STAND P-BASE;LC350 32,ABS+PMMA,HB,B	1	SA	
...3	CCM1	BN63-02183D	COVER-SHEET;Rhcm,PE Vinyl,T0.04,680mm,20	0.4	SNA	
...3		BN63-06688A	COVER-STAND BASE;LC350 32,ABS+PMMA,HB,BK	1	SNA	
...3	M0126	BN73-00052B	RUBBER-FOOT;42Q9,c9,CR Rubber Gray,T3.0	5	SNA	
0.1		BN91-05047A	ASSY LCD-CHILIN;BN07-00867A	1	SNA	
..2	M0215	BN07-00867A	LCD-PANEL;T315HA01-DB,CLC4AC1,8bits,32,1	1	SA	
0.1		BN91-05078F	ASSY SHIELD;LA32C350D1XXZ	1	SNA	
..2	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	6	SA	
..2	M0081	6003-001188	SCREW-TAPTYPE;BH,+,-,B,M4,L10,ZPC(WHT),S	13	SNA	
..2	P001A	BN44-00369A	IP BOARD-TV;PSIV121510A,I32HD_ASM,11mA,1	1	SA	
..2	M0230	BN96-12469C	ASSY CABLE P-FFC;LC350_32",FFC,140mm,30p	1	SA	
..2	EC11	BN96-12845H	ASSY POWER CORD;250 / 6A,LSG-21L,IEC 52	1	SA	
..2	SG04	BN61-06270B	GUIDE-STAND LINK;LC350 32,ABS,HB,BK0020	1	SA	
..2		BN73-00212D	RUBBER-SPACER;LC350 32inch,CR Rubber,W10	1	SNA	
..2		BN63-07205A	SHIELD-COVER;LC350 26/32,SPTE,T0.5	1	SNA	
..2		BN98-02750A	ASSY K/D-LEAD CONNECTOR;C350	1	SNA	
...3	M2893	BN39-01278A	LEAD CONNECTOR;LC350,Flat Connector Ass'	1	SA	
0.1		BN92-05556C	ASSY BOX;LC350 32	1	SNA	
..2		BN69-04684G	BOX-SET;32LC350,CB,A-01,SW2,YEL,W1008,D1	1	SNA	
..2		BH68-00662A	LABEL BOX-00;ALL MODEL,MOJO 90G,60,110,W	1	SNA	
0.1		BN92-05560A	ASSY P/MATERIAL;LC350 32	1	SNA	
..2	T0214	0203-001595	TAPE-OPP MASKING;OPP-2,0.075,75,800M,CLR	2.32	SNA	
..2		6902-000061	BAG AIR;LDPE,T0.2,W500,L1000,TRP,370.000	1	SNA	
..2		6902-000379	BAG AIR;LDPE,T0.2,W1000,L1800,TRP,1260.0	1	SNA	
..2	T0524	6902-000519	BAG PE;HDPE/NITRON,T0.015/T0.05(DOUBLE),	1	SNA	
..2		6902-000604	BAG WRAPPING;LDPE,T0.02,W500,L10000,TRP,	3.44	SNA	
..2		6902-000609	BAG ROLL;LDPE,T0.05,W2400,L1000,TRP,30.0	0.06	SNA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
..2		BN69-00391Q	PAD-ANGLE;T4,50,1800,YEL,400g	1	SNA	
..2	T0246	BN69-04645A	CUSHION-01,SET;32LC350,EPS,16.7g/l	1	SNA	
..2	M040	6922-000013	BAND PP;PP,W18,L2300m,TRP,21000g	0.9	SNA	
..2		BN68-02422B	LABEL-WARNING SHIPPING;ALL MODEL,A/P 100	1	SNA	
..2		6902-001178	BAG SHEET;HDPE/NITRON,T0.015/T01.0,W400,	1	SNA	
0.1	ACCE1	BN92-05865C	ASSY ACCESSORY;LA26C350D1XXZ	1	SNA	
..2		BN96-14507W	ASSY ACCESSORY-MANUAL;NEW MODEL	1	SNA	
...3	T0524	6902-000110	BAG PE;LDPE,T0.05,W250,L400,TRP,28,2,9.2	1	SNA	
...3	T0059	AA68-03184A	MANUAL FLYER-CARD-07;ALL MODEL,CHINESE,2	1	SNA	
...3	T0527	BN68-00513A	LABEL-E,PASS;ALL MODEL,YUPO(110G),50X15,	1	SNA	
...3		BN68-02683G	MANUAL USERS-02,IB;Comm,Samsung,SC,China	1	SNA	
...3		BN68-02763B	MANUAL FLYER-STAND GUIDE;L350(26~32),SAM	1	SNA	
..2	ACCE2	BN96-14636D	ASSY ACCESSORY-CABLE;NEW MODEL	1	SNA	
...3	T0524	6902-001107	BAG PE;LDPE,T0.05,W450,L400,TRP,0,3Separ	1	SNA	
...3		BN43-00004A	BATTERY;BM1L,BATTERY,MN,600mAh,7.9g	2	SNA	
...3	REMO2	BN59-01001A	REMOCON;TM940,SAMSUNG,20PIN SINGLE,39KEY	1	SA	
...3	T0527	BN68-00513A	LABEL-E,PASS;ALL MODEL,YUPO(110G),50X15,	1	SNA	
...3		BN96-01800K	ASSY ACCESSORY-SCREW ZIPPER;10 LCD-TV,60	1	SNA	
....4	T0081	6002-001294	SCREW-TAPPING;BH,+,,M4,L16,ZPC(BLK)	3	SA	
....4	T0524	6902-001169	BAG PE;LDPE,T0.1,W60,L60,Sealing	1	SNA	
0.1		BN92-05876B	ASSY LABEL;26C350 XZ	1	SNA	
..2	CCM1	BN68-01176A	LABEL RATING;W/W,SS,PET POLYESTER,T0.05,	1	SNA	
..2		BN68-02557A	LABEL-LCD-POP;L350(32/26),Asia,PET,T0.05	1	SNA	
0.1	M0017	BN91-05473U	ASSY CHASSIS;MODEL	1	SNA	
..2	M0014	BN94-03484U	ASSY PCB MAIN;MODEL	1	SA	
...3		0202-001608	SOLDER-WIRE FLUX;LFC7-107,D0.8,99.3Sn/0.	0.025	SNA	
...3		3701-001480	CONNECTOR-DSUB;15P,3R,FEMAIL,STAMPED PIN	1	SA	
...3	HB01A	3711-006715	HEADER-BOARD TO CABLE;BOX,4P,1R,2.5mm,AN	1	SNA	
...3	HB01A	3711-007321	HEADER-BOARD TO CABLE;BOX,12P,2R,2mm,STR	1	SA	
...3	JA330	3722-003038	JACK-PHONE;7P/1C W/L,SN,BLK	2	SA	
...3		3722-003051	JACK-PIN;3P W/L,NI/SN,YEL/WHT/RED,STRAIG	1	SA	
...3	JA333	3722-003052	JACK-PIN;5P+Shield W/L,NI/SN,GN/BL/RD/WH	1	SA	
...3	ET01	BN40-00142C	TUNER;HTM-8B/23B5S,HTM-8B/23B5S,PAL B/G,	1	SA	
...3	T0066	BN62-00042A	HEAT SINK-ES;30*30*5,Ceramic,T1.5,TAPE	1	SNA	
...3		BN97-00688A	ASSY HDCP;BN46-00018A,PS-42V6S,D73A,GENE	1	SNA	
....4		BN46-00018A	KEY CODE-CERTIFICATE;(HDCP KEY)PPM42M5S,	1	SNA	
...3		BN97-04085B	ASSY SMD;LA26C350D1XXT,LC4E	1	SNA	
....4		0202-001767	SOLDER-CREAM;LST-5710,D20~38,Sn-57Bi-1Ag	2.5	SNA	
....4	DS01A	0401-000116	DIODE-SWITCHING;MMSD914T1,100V,200mA,SOD	6	SA	
....4	DS01A	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	10	SA	
....4	D1	0401-001099	DIODE-SWITCHING;1N4148WS,75V,150mA,SOD-3	2	SNA	
....4		0403-001052	DIODE-ZENER;RD8.2MB,7.7-8.7V,200mW,SOT-2	1	SA	
....4		0403-001416	DIODE-ZENER;MMSZ5227B,3.42-3.78V,500MW,S	1	SA	
....4		0403-001779	DIODE-ZENER;MMSZ5234BT1G,5.89/6.51V,500m	5	SA	
....4		0403-001783	DIODE-ZENER;BZB84-C6V2,5.8/6.6V,300mW,SO	6	SNA	
....4	D0254	0404-001020	DIODE-SCHOTTKY;BAT54C,30V,200mA,SOT-23,T	2	SA	
....4	T0139	0406-001200	DIODE-TVS;RCLAMP0504F,6/-/-V,150W,SC-70	1	SA	
....4	Q101	0501-000445	TR-SMALL SIGNAL;KTC3875S-Y,NPN,150mW,SOT	11	SA	
....4	CEQ2	0505-000110	FET-SILICON;2N7002,N,60V,115mA,7.5ohm,0.	5	SA	
....4	Q409	0505-002560	FET-SILICON;AO6415,P,-20V,-3.3A,0.15ohm,	1	SA	
....4	Q409	0505-002572	FET-SILICON;AO4801AL,P,-30V,-5.6A,0.075o	1	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	IC112	1103-001310	IC-EEPROM;24LC02B,256X8BIT,SOIC,8P,3.91X	2	SNA	
....4	IC112	1103-001385	IC-EEPROM;AT24C256,256Kbit,32Kx8,SOP,8P,	1	SA	
....4		1105-001931	IC-DDR2 SDRAM;K4T51163Q,DDR2-800,512Mbit	1	SA	
....4	T0085	1201-002849	IC-AUDIO AMP;DRV603,TSSOP,14P,5x4.4mm,DU	1	SA	
....4	T0124	1201-002993	IC-POWER AMP;TAS5715,HTQFP,48P,7x7mm,DUA	1	SA	
....4		1203-004364	IC-VOL. DETECTOR;RT9818C-42PV,SOT-23,3P,	1	SA	
....4		1203-005559	IC-BACKLIGHT DRIVER;MP3302DJ,TSOT23,5P,2	1	SA	
....4		1203-006104	IC-DC/DC CONVERTER;MP8707EN,SOIC8E,8P,4.	1	SA	
....4	T0087	1203-006135	IC-POSI.FIXED REG.;AP1117D-33-GZ-13-89,T	1	SA	
....4	IC012	1203-006138	IC-POSI.ADJUST REG.;AP1117DGZ-13-89,TO-2	1	SA	
....4	IC012	1203-006239	IC-POSI.ADJUST REG.;AP1117EGZ-13-89,SOT-	2	SA	
....4		1205-003201	IC-BUS SWITCH;TC7WB125FK,SSOP,8P,2x2.3mm	3	SA	
....4		1205-003479	IC-SWITCH;TPS2051BDBVR,SOT-23,5P,2.9x1.6	1	SA	
....4	IC109	1205-003695	IC-LCD CONTROLLER;SEMS03-LF,PQFP,296P,32	1	SA	
....4		1405-001233	VARISTOR;30Vdc,5A,1.6x0.8x0.8mm,TP	9	SA	
....4		1405-001271	VARISTOR;20Vdc,5A,1.0x0.5x0.6mm,TP	3	SA	
....4	DR1	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	2	SA	
....4	PR4	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	3	SNA	
....4	PR6	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	2	SNA	
....4	ZPR3	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	1	SNA	
....4	R105	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	58	SNA	
....4	AR49	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	2	SNA	
....4	MR306	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	3	SNA	
....4	R319	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	18	SNA	
....4	R104	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	41	SNA	
....4	HDR2	2007-000151	R-CHIP;15Kohm,5%,1/16W,TP,1005	6	SNA	
....4	MR36	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	7	SNA	
....4	RZ07	2007-000156	R-CHIP;30Kohm,5%,1/16W,TP,1005	4	SA	
....4	R123	2007-000159	R-CHIP;56Kohm,5%,1/16W,TP,1005	1	SNA	
....4	DR39	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SNA	
....4	R509	2007-000170	R-CHIP;1Mohm,5%,1/16W,TP,1005	1	SNA	
....4	R111	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	15	SNA	
....4	HDR17	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SNA	
....4	R338	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	20	SNA	
....4	UR23	2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	12	SNA	
....4	MR39	2007-000242	R-CHIP;1.5Kohm,5%,1/16W,TP,1005	1	SNA	
....4	PPR2	2007-000343	R-CHIP;120ohm,1%,1/10W,TP,1608	1	SA	
....4	KR7	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA	
....4	MR9	2007-000455	R-CHIP;18Kohm,1%,1/10W,TP,1608	1	SA	
....4	FR6	2007-000536	R-CHIP;200ohm,1%,1/10W,TP,1608	1	SA	
....4	R38	2007-000640	R-CHIP;270ohm,1%,1/10W,TP,1608	1	SA	
....4	ER13	2007-000669	R-CHIP;2Kohm,1%,1/10W,TP,1608	1	SNA	
....4		2007-000755	R-CHIP;330Kohm,1%,1/10W,TP,1608	1	SA	
....4	R19	2007-000763	R-CHIP;330ohm,1%,1/10W,TP,1608	1	SNA	
....4	AR61	2007-000869	R-CHIP;4.7Kohm,1%,1/10W,TP,1608	1	SNA	
....4	DR37	2007-000932	R-CHIP;470ohm,5%,1/16W,TP,1005	8	SNA	
....4	R3505	2007-000950	R-CHIP;47ohm,5%,1/4W,TP,3216	3	SA	
....4	R858	2007-001007	R-CHIP;51Kohm,1%,1/10W,TP,1608	1	SA	
....4	R114	2007-001101	R-CHIP;62ohm,5%,1/10W,TP,1608	1	SA	
....4		2007-001237	R-CHIP;910ohm,1%,1/10W,TP,1608	2	SA	
....4		2007-001285	R-CHIP;5.6ohm,5%,1/16W,TP,1005	2	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	OTR1	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	8	SNA	
....4	R326	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	3	SNA	
....4		2007-001333	R-CHIP;18Kohm,5%,1/16W,TP,1005	1	SNA	
....4	R1	2007-002425	R-CHIP;1ohm,5%,1/10W,TP,1608	5	SNA	
....4	TR30	2007-007009	R-CHIP;75ohm,5%,1/16W,TP,1005	9	SNA	
....4	R365	2007-007107	R-CHIP;100Kohm,1%,1/16W,TP,1005	6	SNA	
....4	DR4	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	2	SNA	
....4		2007-007297	R-CHIP;110ohm,1%,1/10W,TP,1608	1	SA	
....4		2007-007319	R-CHIP;390ohm,1%,1/16W,TP,1005	1	SNA	
....4		2007-007334	R-CHIP;200Kohm,1%,1/16W,TP,1005	1	SNA	
....4	R8	2007-007721	R-CHIP;560ohm,1%,1/10W,TP,1608	1	SA	
....4		2007-007766	R-CHIP;2Kohm,1%,1/16W,TP,1005	1	SNA	
....4	PRN7	2011-001011	R-NETWORK;10Kohm,5%,1/16W,L,CHIP,8P,TP,3	3	SA	
....4	DAR09	2011-001262	R-NETWORK;22ohm,5%,1/16W,L,CHIP,8P,TP,2.	10	SA	
....4	AD480	2203-000204	C-CER,CHIP;100nF,10%,25V,X7R,2012	1	SNA	
....4	PC43	2203-000233	C-CER,CHIP;0.1nF,5%,50V,C0G,TP,1005	4	SA	
....4	C258	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	2	SA	
....4	C706	2203-000239	C-CER,CHIP;0.1nF,5%,50V,C0G,2012	2	SNA	
....4	C395	2203-000260	C-CER,CHIP;10nF,10%,50V,X7R,2012	1	SNA	
....4	RC34	2203-000280	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,1608	3	SA	
....4	C254	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,TP,1005	4	SA	
....4	C507	2203-000489	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1005	3	SA	
....4	MC9	2203-000627	C-CER,CHIP;.022nF,5%,50V,C0G,TP,1005	2	SNA	
....4	JC31	2203-000715	C-CER,CHIP;3.3nF,10%,50V,X7R,1608	4	SNA	
....4	DC25	2203-000812	C-CER,CHIP;.033nF,5%,50V,C0G,1005	8	SA	
....4	CK40B	2203-000838	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,1608	1	SNA	
....4	AD480	2203-000995	C-CER,CHIP;.047nF,5%,50V,C0G,TP,1005	3	SA	
....4	AD480	2203-001412	C-CER,CHIP;0.03nF,5%,50V,NP0,TP,1005	2	SNA	
....4	AD480	2203-001428	C-CER,CHIP;470nF,10%,50V,X7R,TP,2012	1	SNA	
....4	AD480	2203-002285	C-CER,CHIP;10nF,10%,50V,X7R,1005	3	SNA	
....4	AD480	2203-002525	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1005	6	SNA	
....4	AC2	2203-002711	C-CER,CHIP;100nF,10%,25V,X7R,1608	1	SA	
....4	DC108	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	6	SC	
....4	AAC1	2203-005249	C-CER,CHIP;100nF,10%,50V,X7R,TP,1608	6	SNA	
....4	TE3	2203-005261	C-CER,CHIP;1000nF,10%,25V,X7R,TP,3216	1	SNA	
....4	AD480	2203-005968	C-CER,CHIP;4.7NF,10%,50V,X7R,TP,1005	3	SNA	
....4	AD480	2203-006126	C-CER,CHIP;47nF,10%,16V,X7R,1005	16	SNA	
....4	PC11	2203-006141	C-CER,CHIP;1000nF,10%,16V,X5R,1608	1	SNA	
....4	C102	2203-006158	C-CER,CHIP;100nF,10%,16V,X7R,1005	65	SNA	
....4	AD480	2203-006307	C-CER,CHIP;1000nF,10%,25V,X5R,2012	4	SNA	
....4	AD480	2203-006336	C-CER,CHIP;10000nF,10%,25V,X5R,3216	6	SA	
....4	C802	2203-006348	C-CER,CHIP;1000nF,10%,25V,X5R,TP,1608	1	SA	
....4	C125	2203-006361	C-CER,CHIP;10000nF,10%,10V,X5R,TP,2012	19	SC	
....4	C234	2203-006378	C-CER,CHIP;4700nF,10%,6.3V,X5R,TP,1608	10	SA	
....4	AD480	2203-006460	C-CER,CHIP;2200nF,10%,16V,X5R,1608	1	SA	
....4	HE4	2203-006474	C-CER,CHIP;22000nF,20%,6.3V,X5R,2012	2	SA	
....4	HDC11	2203-006562	C-CER,CHIP;1000nF,10%,10V,X5R,TP,1005	7	SNA	
....4	AD480	2203-006841	C-CER,CHIP;1000nF,10%,16V,X5R,1005	1	SNA	
....4	AD480	2203-006992	C-CER,CHIP;0.33nF,5%,50V,C0G,TP,1005	4	SNA	
....4	AD480	2203-007176	C-CER,CHIP;10000nF,10%,16V,X5R,TP,2012 (	8	SNA	
....4	AD480	2203-007233	C-CER,CHIP;22000nF,10%,16V,X5R,TP,3216	1	SA	

Level	Location No.	Code No.	Description & Specification	Q'ty	SA/SNA	Remark
....4	VL6	2703-000398	INDUCTOR-SMD;10uH,10%,3225	9	SA	
....4	T0052	2703-001778	INDUCTOR-SMD;3.3uH,20%,3225	2	SA	
....4	T0052	2703-003559	INDUCTOR-SMD;4.7uH,20%,8080	1	SNA	
....4	X202	2801-003773	CRYSTAL-SMD;12MHz,30ppm,28-AAN,20pF,50oh	1	SA	
....4	F103	2901-001506	FILTER-EMI SMD;5V,0.13A,0pF,2x1x0.5mm,TP	2	SA	
....4	DR32	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-	2	SNA	
....4	T0568	3301-001186	BEAD-SMD;600ohm,3216,2500mA,TP,553ohm/93	4	SA	
....4	T0568	3301-001236	BEAD-SMD;60ohm,1608	3	SNA	
....4	T0568	3301-001404	BEAD-SMD;30ohm,2012,TP,15.9OHM/30MHz	25	SA	
....4	T0568	3301-002039	BEAD-SMD;26ohm,1608,TP	1	SA	
....4	AC510	3708-001150	CONNECTOR-FPC/FFC/PIC;30P,1mm,SMD-A,SN,Y	1	SA	
....4	HB01A	3711-005941	HEADER-BOARD TO CABLE;BOX,8P,1R,2mm,SMD-	1	SA	
....4		BN41-01372A	PCB MAIN;Lola3 LC350 32inch,FR-4,4,1.0,1	1	SNA	
....4		BN97-04125A	ASSY MICOM-SUB2;T-LL35MEAM-0111.0,L350,A	1	SNA	
.....5	IC115	1107-001777	IC-FLASH MEMORY;MX25L6405DMI-12G,64Mbit,	1	SNA	
....4		3701-001591	CONNECTOR-HDMI;19P,2ROW,FEMALE,SMD-S,AU	1	SNA	
...3		3722-003088	JACK-USB;4P/1C,NI/PD/AU/SN,GRY,STRAIGHT,	1	SA	

1. Precautions

1-1. Safety Precautions

Follow these safety, servicing and ESD precautions to prevent damage and to protect against potential hazards such as electrical shock.

1-1-1. Warnings

1. For continued safety, do not attempt to modify the circuit board.
2. Disconnect the AC power and DC power jack before servicing.

1-1-2. Servicing the LCD TV

1. When servicing the LCD TV, Disconnect the AC line cord from the AC outlet.
2. It is essential that service technicians have an accurate voltage meter available at all times.
   Check the calibration of this meter periodically.

1-1-3. Fire and Shock Hazard

Before returning the LCD TV to the user, perform the following safety checks:

1. Inspect each lead dress to make certain that the leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the LCD TV.
2. Inspect all protective devices such as nonmetallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistorcapacitor networks, mechanical insulators, etc.
3. Leakage Current Hot Check (Figure 1-1):
   WARNING : Do not use an isolation transformer during this test.
   Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).

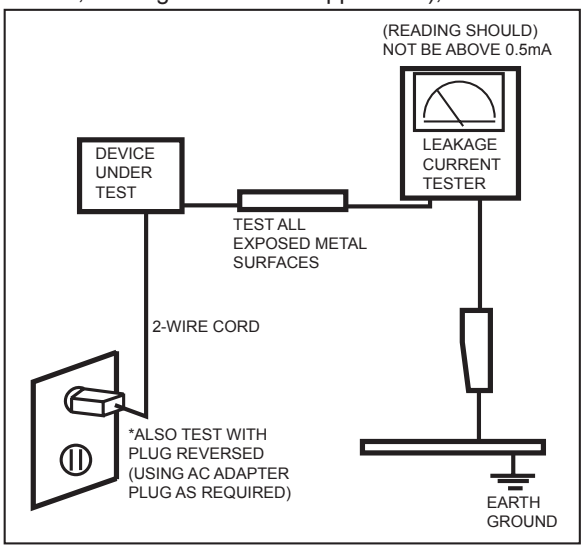


Figure 1-1. Leakage Current Test Circuit

4. With the unit completely reassembled, plug the AC line cord directly into a 120V AC outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: metal cabinets, screwheads and control shafts.
   The current measured should not exceed 0.5 milliamp.
   Reverse the power-plug prongs in the AC outlet and repeat the test.

1-1-4. Product Safety Notices

Some electrical and mechanical parts have special safetyrelated characteristics which are often not evident from visual inspection. The protection they give may not be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by ⚠ on schematics and parts lists. A substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1-2. Servicing Precautions

WARNING: An electrolytic capacitor installed with the wrong polarity might explode.
Caution: Before servicing units covered by this service manual, read and follow the Safety Precautions section of this manual.
Note: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions.

1-2-1 General Servicing Precautions

1. Always unplug the unit's AC power cord from the AC power source and disconnect the DC Power Jack before attempting to:
   (a) remove or reinstall any component or assembly, (b) disconnect PCB plugs or connectors, (c) connect a test component in parallel with an electrolytic capacitor.
2. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
3. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the area around the serviced part has not been damaged.
4. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
5. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500 V) to theblades of the AC plug.
   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
6. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3. Electrostatically Sensitive Devices (ESD) Precautions

Some semiconductor (solid state) devices can be easily damaged by static electricity. Such components are commonly called Electrostatically Sensitive Devices (ESD). Examples of typical ESD are integrated circuits and some field-effect transistors. The following techniques will reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the LCD TV.
2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
4. Use only a grounded-tip soldering iron to solder or desolder ESDs.
5. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESDs.
6. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
7. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   Caution: Be sure no power is applied to the chassis or circuit and observe all other safety precautions.
8. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting your foot from a carpeted floor can generate enough static electricity to damage an ESD.

1-4. Installation Precautions

1. For safety reasons, more than a people are required for carrying the product.
2. Keep the power cord away from any heat emitting devices, as a melted covering may cause fire or electric shock.
3. Do not place the product in areas with poor ventilation such as a bookshelf or closet. The increased internal temperature may cause fire.
4. Bend the external antenna cable when connecting it to the product. This is a measure to protect it from being exposed to moisture. Otherwise, it may cause a fire or electric shock.
5. Make sure to turn the power off and unplug the power cord from the outlet before repositioning the product. Also check the antenna cable or the external connectors if they are fully unplugged. Damage to the cord may cause fire or electric shock.
6. Keep the antenna far away from any high-voltage cables and install it firmly. Contact with the highvoltage cable or the antenna falling over may cause fire or electric shock.
7. When installing the product, leave enough space (0.1m) between the product and the wall for ventilation purposes. A rise in temperature within the product may cause fire.

Memo

2. Product specifications

2-1. Feature & Specifications

Model	LA19C350D1
Feature	
▶ RF, 1-HDMI, 1-Component, 1-AV, 1-USB2.0, D-SUB, MEDIA PLAY, Headphone Out ▶ Brightness : 350cd/m^2 ▶ Contrast Ratio : 3000:1 ▶ Response time : 8.5ms	

Specifications		
Item	**Description**	
LCD Panel	19 inch HD 60Hz	
Scanning Frequency	Horizontal : 60 kHz ~ 73 kHz (Automatic) Vertical : 40 Hz ~ 75 Hz (Automatic)	
Display Colors	16.7 million colors	
Maximum resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	86MHz	
Active Display Horizontal/Vertical	409.8 (H) x 230.4 (V) mm	
AC power voltage & Frequency	AC 110V ~ 240V, 50/60Hz	
Power Consumption	< 35W (< 1W, Stand by)	
Dimensions Set (W x D x H)	461.2 x 161.0 x 364.0 mm_with stand 461.2 x 59.5(64.4) x 322.2 mm_without stand	
Weight (Set)	3.9kg_with stand 4.1kg_without stand	
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	PAL, SECAM, NT4.43,NT3.58
	Sound	BG, DK, M, I
Environmental Considerations	Operating Temperature: 32˚F ~ 122˚F (0˚C ~ 50˚C) Operating Humidity: 20% ~ 90% Storage Temperature: -4˚F ~ 140˚F (-20˚C ~ 60˚C) Storage Humidity: 5% ~ 90%	
Audio spec.	- MAX Internal Audio Output Power : Each 5W(Left/Right) - Equalizer : 5band - Output Frequency : RF : 20 Hz ~ 15.4 kHz AV/Componet/HDMI : 20 Hz ~ 20 kHz	

Model	LA22C350D1
Feature	
▶ RF, 1-HDMI, 1-Component, 1-AV, 1-USB2.0, D-SUB, MEDIA PLAY, Headphone Out ▶ Brightness : 350cd/m^2 ▶ Contrast Ratio : 3000:1 ▶ Response time : 8.5ms	

Specifications		
Item	**Description**	
LCD Panel	22 inch HD 60Hz	
Scanning Frequency	Horizontal : 60 kHz ~ 73 kHz (Automatic) Vertical : 40 Hz ~ 75 Hz (Automatic)	
Display Colors	16.7 million colors	
Maximum resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	86MHz	
Active Display Horizontal/Vertical	477.417(H) X 268.416(V) mm	
AC power voltage & Frequency	AC 110V ~ 240V, 50/60Hz	
Power Consumption	< 55W (< 1W, Stand by)	
Dimensions Set (W x D x H)	535.3 x 171.8 x 420.9mm_with stand 535.3 x 82.2(85.5) x 365.8mm_without stand	
Weight (Set)	3.9kg_with stand 4.2kg_without stand	
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	PAL, SECAM, NT4.43,NT3.58
	Sound	BG, DK, M, I
Environmental Considerations	Operating Temperature: 32˚F ~ 122˚F (0˚C ~ 50˚C) Operating Humidity: 20% ~ 90% Storage Temperature: -4˚F ~ 140˚F (-20˚C ~ 60˚C) Storage Humidity: 5% ~ 90%	
Audio spec.	- MAX Internal Audio Output Power : Each 5W(Left/Right) - Equalizer : 5band - Output Frequency : RF : 20 Hz ~ 15.4 kHz AV/Componet/HDMI : 20 Hz ~ 20 kHz	

Model	LA26C350D1
Feature	
▶ RF, 1-HDMI, 1-Component, 1-AV, 1-USB2.0, D-SUB, MEDIA PLAY, Audio Out ▶ Brightness : 350cd/m^2 ▶ Contrast Ratio : 3000:1 ▶ Response time : 8.5ms	

Specifications		
Item	**Description**	
LCD Panel	26 inch HD 60Hz	
Scanning Frequency	Horizontal : 60 kHz ~ 73 kHz (Automatic) Vertical : 40 Hz ~ 75 Hz (Automatic)	
Display Colors	16.7M color	
Maximum resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	86MHz	
Active Display Horizontal/Vertical	22.73 x 12.81 inchs (577.4(H) x 325.4(V) mm)	
AC power voltage & Frequency	AC 110V ~ 220V, 60 Hz	
Power Consumption	< 60W (< 1W, Stand by)	
Dimensions Set (W x D x H)	673.3 x 222.2 x 513.4 mm_with stand 673.3 x 84.0 x 456.0 mm_without stand	
Weight (Set)	6.1kg_with stand 5.6kg_without stand	
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	PAL, SECAM, NT4.43, NT3.58
	Sound	BG, DK, M, I
Environmental Considerations	Operating Temperature: 32˚F ~ 122˚F (0˚C ~ 50˚C) Operating Humidity: 20% ~ 90% Storage Temperature: -4˚F ~ 140˚F (-20˚C ~ 60˚C) Storage Humidity: 5% ~ 90%	
Audio Spec.	- MAX Internal Audio Output Power : Each 5W(Left/Right) - Equalizer : 5band - Output Frequency : RF : 20 Hz ~ 15.4 kHz AV/Componet/HDMI : 20 Hz ~ 20 kHz	

Model	LA32C350D1
Feature	
▶ RF, 1-HDMI, 1-Component, 1-AV, 1-USB2.0, D-SUB, MEDIA PLAY, Audio Out ▶ Brightness : 400cd/m^2 ▶ Contrast Ratio : 3000:1 ▶ Response time : 8.5ms	

Specifications		
Item	**Description**	
LCD Panel	32 inch HD 60Hz	
Scanning Frequency	Horizontal : 43 kHz ~ 53 kHz (Automatic) Vertical : 47 Hz ~ 63 Hz (Automatic)	
Display Colors	16.7 million colors	
Maximum resolution	Horizontal : 1366 Pixels Vertical : 768 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω , internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock rate	86MHz	
Active Display Horizontal/Vertical	27.54 x 15.52 inches (699.6(H) x 394.3(V) mm)	
AC power voltage & Frequency	AC 110V ~ 240V, 50/60Hz	
Power Consumption	< 90W (< 1W, Stand by)	
Dimensions Set (W x D x H)	795.3 x 247.2 x 585.3 mm_with stand 795.3 x 84.0 x 525.8 mm_without stand	
Weight (Set)	7.6kg_with stand 7.1kg_without stand	
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	PAL, SECAM, NT4.43,NT3.58
	Sound	BG, DK, M, I
Environmental Considerations	Operating Temperature: 32˚F ~ 122˚F (0˚C ~ 50˚C) Operating Humidity: 20% ~ 90% Storage Temperature: -4˚F ~ 140˚F (-20˚C ~ 60˚C) Storage Humidity: 5% ~ 90%	
Audio spec.	- MAX Internal Audio Output Power : Each 5W(Left/Right) - Equalizer : 5band - Output Frequency : RF : 20 Hz ~ 15.4 kHz AV/Componet/HDMI : 20 Hz ~ 20 kHz	

■ CHANNEL FREQUENCY TABLE

1. OUTPUT FREQUENCY : ANALOG fv:45.75MHz, fs:41.25MHz DIGITAL Fc:44MHz
2. TUNING STEP SIZE : FIRST PLL 250KHz SECOND PLL 62.5KHz

(Unit : MHz)

CH Number	AREA									
	ASIA W/EUROPE	BAND	CIS E/EUROPE	BAND	HONG KONG U/K	BAND	NZ/ INDONESIA	BAND	SOUTH AFRICA	BAND
C00	-	-	-	-	-	-	-	-	-	-
C01	46.25	VHF	49.75	VHF	49.75	VHF	44.25	VHF	-	-
C02	48.25	VHF	59.25	V-L	59.25	V-L	55.25	V-L	-	-
C03	55.25	V-L	77.25	V-L	77.25	V-L	62.25	V-L	-	-
C04	62.25	V-L	85.25	V-L	85.25	V-L	175.25	V-H	175.25	V-H
C05	175.25	V-H	93.25	VHF	93.25	VHF	182.25	V-H	183.25	V-H
C06	182.25	V-H	175.25	V-H	175.25	V-H	189.25	V-H	191.25	V-H
C07	189.25	V-H	183.25	V-H	183.25	V-H	196.25	V-H	199.25	V-H
C08	196.25	V-H	191.25	V-H	191.25	V-H	203.25	V-H	207.25	V-H
C09	203.25	V-H	199.25	V-H	199.25	V-H	210.25	V-H	215.25	V-H
C10	210.25	V-H	207.25	V-H	207.25	V-H	217.25	VHF	223.25	VHF
C11	217.25	VHF	215.25	V-H	215.25	V-H	224.25	VHF	231.25	VHF
C12	224.25	VHF	223.25	VHF	223.25	VHF	45.25	VHF	239.25	VHF
C13	53.75	VHF	53.75	VHF	45.75	VHF	-	-	247.25	VHF
C14	-	-	62.25	V-L	53.75	VHF	-	-	-	-
C15	82.25	V-L	82.25	V-L	61.75	V-L	-	-	-	-
C16	-	-	-	-	-	-	69.75	V-L	-	-
C17	183.75	V-H	183.75	V-H	95.75	VHF	-	-	-	-
C18	192.25	V-H	192.25	V-H	-	-	-	-	-	-
C19	201.25	V-H	-	-	201.25	V-H	-	-	-	-
C20	-	-	210.25	V-H	-	-	-	-	-	-
C21	471.25	UHF	471.25	UHF	471.25	UHF	471.25	UHF	471.25	UHF
C22	479.25	UHF	479.25	UHF	479.25	UHF	479.25	UHF	479.25	UHF
C23	487.25	UHF	487.25	UHF	487.25	UHF	487.25	UHF	487.25	UHF
C24	495.25	UHF	495.25	UHF	495.25	UHF	495.25	UHF	495.25	UHF
C25	503.25	UHF	503.25	UHF	503.25	UHF	503.25	UHF	503.25	UHF
C26	511.25	UHF	511.25	UHF	511.25	UHF	511.25	UHF	511.25	UHF
C27	519.25	UHF	519.25	UHF	519.25	UHF	519.25	UHF	519.25	UHF
C28	527.25	UHF	527.25	UHF	527.25	UHF	527.25	UHF	527.25	UHF
C29	535.25	UHF	535.25	UHF	535.25	UHF	535.25	UHF	535.25	UHF
C30	543.25	UHF	543.25	UHF	543.25	UHF	543.25	UHF	543.25	UHF
C31	551.25	UHF	551.25	UHF	551.25	UHF	551.25	UHF	551.25	UHF
C32	559.25	UHF	559.25	UHF	559.25	UHF	559.25	UHF	559.25	UHF
C33	567.25	UHF	567.25	UHF	567.25	UHF	567.25	UHF	567.25	UHF
C34	575.25	UHF	575.25	UHF	575.25	UHF	575.25	UHF	575.25	UHF
C35	583.25	UHF	583.25	UHF	583.25	UHF	583.25	UHF	583.25	UHF
C36	591.25	UHF	591.25	UHF	591.25	UHF	591.25	UHF	591.25	UHF
C37	599.25	UHF	599.25	UHF	599.25	UHF	599.25	UHF	599.25	UHF
C38	607.25	UHF	607.25	UHF	607.25	UHF	607.25	UHF	607.25	UHF
C39	615.25	UHF	615.25	UHF	615.25	UHF	615.25	UHF	615.25	UHF
C40	623.25	UHF	623.25	UHF	623.25	UHF	623.25	UHF	623.25	UHF
C41	631.25	UHF	631.25	UHF	631.25	UHF	631.25	UHF	631.25	UHF
C42	639.25	UHF	639.25	UHF	639.25	UHF	639.25	UHF	639.25	UHF
C43	647.25	UHF	647.25	UHF	647.25	UHF	647.25	UHF	647.25	UHF
C44	655.25	UHF	655.25	UHF	655.25	UHF	655.25	UHF	655.25	UHF
C45	663.25	UHF	663.25	UHF	663.25	UHF	663.25	UHF	663.25	UHF
C46	671.25	UHF	671.25	UHF	671.25	UHF	671.25	UHF	671.25	UHF
C47	679.25	UHF	679.25	UHF	679.25	UHF	679.25	UHF	679.25	UHF
C48	687.25	UHF	687.25	UHF	687.25	UHF	687.25	UHF	687.25	UHF
C49	695.25	UHF	695.25	UHF	695.25	UHF	695.25	UHF	695.25	UHF
C50	703.25	UHF	703.25	UHF	703.25	UHF	703.25	UHF	703.25	UHF
C51	711.25	UHF	711.25	UHF	711.25	UHF	711.25	UHF	711.25	UHF
C52	719.25	UHF	719.25	UHF	719.25	UHF	719.25	UHF	719.25	UHF
C53	727.25	UHF	727.25	UHF	727.25	UHF	727.25	UHF	727.25	UHF
C54	735.25	UHF	735.25	UHF	735.25	UHF	735.25	UHF	735.25	UHF
C55	743.25	UHF	743.25	UHF	743.25	UHF	743.25	UHF	743.25	UHF
C56	751.25	UHF	751.25	UHF	751.25	UHF	751.25	UHF	751.25	UHF
C57	759.25	UHF	759.25	UHF	759.25	UHF	759.25	UHF	759.25	UHF
C58	767.25	UHF	767.25	UHF	767.25	UHF	767.25	UHF	767.25	UHF
C59	775.25	UHF	775.25	UHF	775.25	UHF	775.25	UHF	775.25	UHF
C60	783.25	UHF	783.25	UHF	783.25	UHF	783.25	UHF	783.25	UHF

(Unit : MHz)

CH Number	AREA									
	ASIA W/EUROPE	BAND	CIS E/EUROPE	BAND	HONG KONG U/K	BAND	NZ/ INDONESIA	BAND	SOUTH AFRICA	BAND
C61	791.25	UHF	791.25	UHF	791.25	UHF	791.25	UHF	791.25	UHF
C62	799.25	UHF	799.25	UHF	799.25	UHF	799.25	UHF	799.25	UHF
C63	807.25	UHF	807.25	UHF	807.25	UHF	807.25	UHF	807.25	UHF
C64	815.25	UHF	815.25	UHF	815.25	UHF	815.25	UHF	815.25	UHF
C65	823.25	UHF	823.25	UHF	823.25	UHF	823.25	UHF	823.25	UHF
C66	831.25	UHF	831.25	UHF	831.25	UHF	831.25	UHF	831.25	UHF
C67	839.25	UHF	839.25	UHF	839.25	UHF	839.25	UHF	839.25	UHF
C68	847.25	UHF	847.25	UHF	847.25	UHF	847.25	UHF	847.25	UHF
C69	855.25	UHF	855.25	UHF	855.25	UHF	855.25	UHF	855.25	UHF
C70	-	-	-	-	-	-	53.75	-	53.75	-
C71	-	-	-	-	62.25	VHF	-	-	62.25	VHF
C72	-	-	-	-	82.25	V-L	82.25	V-L	82.25	V-L
C73	-	-	-	-	-	-	-	-	-	-
C74	69.75	V-L	-	-	-	-	183.25	V-H	-	-
C75	76.25	V-L	-	-	192.25	V-H	192.25	V-H	192.25	V-H
C76	83.25	V-L	-	-	201.25	V-H	201.25	V-H	201.25	V-H
C77	90.25	VHF	-	-	210.25	V-H	-	-	210.25	V-H
C78	97.25	VHF	217.25	VHF	217.25	VHF	-	-	217.25	VHF
C79	59.25	V-L	224.25	VHF	224.25	VHF	-	-	224.25	VHF
C80	-	-	93.25	VHF	-	-	-	-	-	-
C81	49.75	VHF	-	-	-	-	49.75	VHF	49.75	VHF
C82	-	-	-	-	-	-	59.25	V-L	59.25	V-L
C83	77.25	V-L	-	-	77.25	V-L	77.25	V-L	77.25	V-L
C84	85.25	V-L	-	-	85.25	V-L	85.25	V-L	85.25	V-L
C85	-	-	-	-	93.25	VHF	93.25	VHF	93.25	VHF
C86	-	-	-	-	-	-	-	-	-	-
C86	183.25	V-H	-	-	-	-	-	-	-	-
C86	191.25	V-H	-	-	-	-	191.25	V-H	-	-
C86	199.25	V-H	-	-	199.25	V-H	199.25	V-H	-	-
C86	207.25	V-H	-	-	207.25	V-H	207.25	V-H	-	-
C86	215.25	VHF	-	-	-	-	215.25	VHF	215.25	VHF
C86	223.25	VHF	-	-	-	-	223.25	VHF	223.25	VHF

(Unit : MHz)

CH Number	AREA					
	AUSTRALIA	BAND	CHINA	BAND	AMERICA	BAND
C00	46.25	VHF	-	-	-	-
C01	57.25	V-L	49.75	VHF	-	-
C02	64.25	V-L	57.75	V-L	55.25	V-L
C03	86.25	V-L	65.75	V-L	61.25	V-L
C04	95.25	VHF	77.25	V-L	67.25	V-L
C05	102.25	VHF	85.25	V-L	77.25	V-L
C06	175.25	V-H	168.25	VHF	83.25	V-L
C07	182.25	V-H	176.25	V-H	175.25	V-H
C08	189.25	V-H	184.25	V-H	181.25	V-H
C09	196.25	V-H	192.25	V-H	187.25	V-H
C10	209.25	V-H	200.25	V-H	193.25	V-H
C11	216.25	VHF	208.25	VHF	199.25	VHF
C12	224.25	VHF	216.25	VHF	205.25	VHF
C13	138.25	V-H	471.25	UHF	211.25	VHF
C14	203.25	V-H	479.25	UHF	471.25	UHF
C15	-	-	487.25	UHF	477.25	UHF
C16	-	-	495.25	UHF	483.25	UHF
C17	-	-	503.25	UHF	489.25	UHF
C18	-	-	511.25	UHF	495.25	UHF
C19	-	-	519.25	UHF	501.25	UHF
C20	-	-	527.25	UHF	507.25	UHF
C21	x	-	535.25	UHF	513.25	UHF
C22	x	-	543.25	UHF	519.25	UHF
C23	x	-	551.25	UHF	525.25	UHF
C24	x	-	559.25	UHF	531.25	UHF
C25	x	-	607.25	UHF	537.25	UHF
C26	x	-	615.25	UHF	543.25	UHF
C27	x	-	623.25	UHF	549.25	UHF
C28	527.25	UHF	631.25	UHF	555.25	UHF
C29	534.25	UHF	639.25	UHF	561.25	UHF
C30	541.25	UHF	647.25	UHF	567.25	UHF
C31	548.25	UHF	655.25	UHF	573.25	UHF
C32	555.25	UHF	663.25	UHF	579.25	UHF
C33	562.25	UHF	671.25	UHF	585.25	UHF
C34	569.25	UHF	679.25	UHF	591.25	UHF
C35	576.25	UHF	687.25	UHF	597.25	UHF
C36	583.25	UHF	695.25	UHF	603.25	UHF
C37	590.25	UHF	703.25	UHF	609.25	UHF
C38	597.25	UHF	711.25	UHF	615.25	UHF
C39	604.25	UHF	719.25	UHF	621.25	UHF
C40	611.25	UHF	727.25	UHF	627.25	UHF
C41	618.25	UHF	735.25	UHF	633.25	UHF
C42	625.25	UHF	743.25	UHF	639.25	UHF
C43	632.25	UHF	751.25	UHF	645.25	UHF
C44	639.25	UHF	759.25	UHF	651.25	UHF
C45	646.25	UHF	767.25	UHF	657.25	UHF
C46	653.25	UHF	775.25	UHF	663.25	UHF
C47	660.25	UHF	783.25	UHF	669.25	UHF
C48	667.25	UHF	791.25	UHF	675.25	UHF
C49	674.25	UHF	799.25	UHF	681.25	UHF
C50	681.25	UHF	807.25	UHF	687.25	UHF
C51	688.25	UHF	815.25	UHF	693.25	UHF

(Unit : MHz)

CH Number	AREA					
	AUSTRALIA	BAND	CHINA	BAND	AMERICA	BAND
C52	695.25	UHF	823.25	UHF	699.25	UHF
C53	702.25	UHF	831.25	UHF	705.25	UHF
C54	709.25	UHF	839.25	UHF	711.25	UHF
C55	716.25	UHF	847.25	UHF	717.25	UHF
C56	723.25	UHF	855.25	UHF	723.25	UHF
C57	730.25	UHF	863.25	UHF	729.25	UHF
C58	737.25	UHF	-	-	735.25	UHF
C59	744.25	UHF	-	-	741.25	UHF
C60	751.25	UHF	-	-	747.25	UHF
C61	758.25	UHF	-	-	753.25	UHF
C62	765.25	UHF	-	-	759.25	UHF
C63	772.25	UHF	-	-	765.25	UHF
C64	779.25	UHF	-	-	771.25	UHF
C65	786.25	UHF	567.25	UHF	777.25	UHF
C66	793.25	UHF	575.25	UHF	783.25	UHF
C67	800.25	UHF	583.25	UHF	789.25	UHF
C68	807.25	UHF	591.25	UHF	795.25	UHF
C69	814.25	UHF	599.25	UHF	801.25	UHF
C70	53.75	-	-	-	807.25	UHF
C71	62.25	VHF	-	-	813.25	UHF
C72	82.25	V-L	-	-	819.25	UHF
C73	-	-	-	-	825.25	UHF
C74	183.25	-	-	-	831.25	UHF
C75	192.25	V-H	-	-	837.25	UHF
C76	201.25	V-H	-	-	843.25	UHF
C77	-	V-H	-	-	849.25	UHF
C78	-	VHF	-	-	855.25	UHF
C79	-	VHF	-	-	861.25	UHF
C80	-	-	-	-	867.25	UHF
C81	49.75	VHF	-	-	873.25	UHF
C82	59.25	V-L	-	-	879.25	UHF
C83	77.25	V-L	-	-	885.25	UHF
C84	85.25	V-L	-	-	-	-
C85	93.25	VHF	-	-	-	-
C86	-	-	-	-	-	-
C86	-	-	-	-	-	-
C86	191.25	-	-	-	-	-
C86	199.25	-	-	-	-	-
C86	207.25	-	-	-	-	-
C86	215.25	VHF	-	-	-	-
C86	223.25	VHF	-	-	-	-

Cable CHANNEL

(Unit : MHz)

CH Number	AREA									
	ASIA W/EUROPE	BAND	CIS E/EUROPE	BAND	HONG KONG U/K	BAND	NZ/ INDONESIA	BAND	SOUTH AFRICA	BAND
S01	105.25	VHF	103.25	VHF	103.25	VHF	105.25	VHF	105.25	VHF
S02	112.25	VHF	111.25	VHF	111.25	VHF	112.25	VHF	112.25	VHF
S03	119.25	VHF	119.25	VHF	119.25	VHF	119.25	VHF	119.25	VHF
S04	126.25	VHF	127.25	VHF	127.25	VHF	126.25	VHF	126.25	VHF
S05	133.25	VHF	135.25	VHF	135.25	VHF	133.25	VHF	133.25	VHF
S06	140.25	VHF	143.25	VHF	143.25	VHF	140.25	VHF	140.25	VHF
S07	147.25	VHF	151.25	VHF	151.25	VHF	147.25	VHF	147.25	VHF
S08	154.25	VHF	159.25	VHF	159.25	VHF	154.25	VHF	154.25	VHF
S09	161.25	VHF	167.25	VHF	167.25	VHF	161.25	VHF	161.25	VHF
S10	168.25	VHF	231.25	VHF	231.25	VHF	168.25	VHF	168.25	VHF
S11	231.25	VHF	239.25	VHF	239.25	VHF	231.25	VHF	231.25	VHF
S12	238.25	VHF	247.25	VHF	247.25	VHF	238.25	VHF	238.25	VHF
S13	245.25	VHF	253.25	VHF	253.25	VHF	245.25	VHF	245.25	VHF
S14	252.25	VHF	263.25	VHF	263.25	VHF	252.25	VHF	252.25	VHF
S15	259.25	VHF	271.25	VHF	271.25	VHF	259.25	VHF	259.25	VHF
S16	266.25	VHF	279.25	VHF	279.25	VHF	266.25	VHF	266.25	VHF
S17	273.25	VHF	287.25	VHF	287.25	VHF	273.25	VHF	273.25	VHF
S18	280.25	VHF	295.25	VHF	295.25	VHF	280.25	VHF	280.25	VHF
S19	287.25	VHF	303.25	UHF	303.25	UHF	287.25	VHF	287.25	VHF
S20	294.25	VHF	-	-	-	-	294.25	VHF	294.25	VHF
S21	303.25	UHF	-	-	-	-	303.25	UHF	303.25	UHF
S22	311.25	UHF	311.25	UHF	311.25	UHF	311.25	UHF	311.25	UHF
S23	319.25	UHF	319.25	UHF	319.25	UHF	319.25	UHF	319.25	UHF
S24	327.25	UHF	327.25	UHF	327.25	UHF	327.25	UHF	327.25	UHF
S25	335.25	UHF	335.25	UHF	335.25	UHF	335.25	UHF	335.25	UHF
S26	343.25	UHF	343.25	UHF	343.25	UHF	343.25	UHF	343.25	UHF
S27	351.25	UHF	351.25	UHF	351.25	UHF	351.25	UHF	351.25	UHF
S28	359.25	UHF	359.25	UHF	359.25	UHF	359.25	UHF	359.25	UHF
S29	367.25	UHF	367.25	UHF	367.25	UHF	367.25	UHF	367.25	UHF
S30	375.25	UHF	375.25	UHF	375.25	UHF	375.25	UHF	375.25	UHF
S31	383.25	UHF	383.25	UHF	383.25	UHF	383.25	UHF	383.25	UHF
S32	391.25	UHF	391.25	UHF	391.25	UHF	391.25	UHF	391.25	UHF
S33	399.25	UHF	399.25	UHF	399.25	UHF	399.25	UHF	399.25	UHF
S34	407.25	UHF	407.25	UHF	407.25	UHF	407.25	UHF	407.25	UHF
S35	415.25	UHF	415.25	UHF	415.25	UHF	415.25	UHF	415.25	UHF
S36	423.25	UHF	423.25	UHF	423.25	UHF	423.25	UHF	423.25	UHF
S37	431.25	UHF	431.25	UHF	431.25	UHF	431.25	UHF	431.25	UHF
S38	439.25	UHF	439.25	UHF	439.25	UHF	439.25	UHF	439.25	UHF
S39	447.25	UHF	447.25	UHF	447.25	UHF	447.25	UHF	447.25	UHF
S40	455.25	UHF	455.25	UHF	455.25	UHF	455.25	UHF	455.25	UHF
S41	463.25	UHF	463.25	UHF	463.25	UHF	463.25	UHF	463.25	UHF

(Unit : MHz)

CH Number	AREA					
	AUSTRALIA	BAND	CHINA	BAND	AMERICA	BAND
S01	105.25	VHF	112.25	VHF	73.25	VHF
S02	112.25	VHF	120.25	VHF	55.25	VHF
S03	119.25	VHF	128.25	VHF	61.25	VHF
S04	126.25	VHF	136.25	VHF	67.25	VHF
S05	133.25	VHF	144.25	VHF	77.25	VHF
S06	140.25	VHF	152.25	VHF	83.25	VHF
S07	147.25	VHF	160.25	VHF	175.25	VHF
S08	154.25	VHF	224.25	VHF	181.25	VHF
S09	161.25	VHF	232.25	VHF	187.25	VHF
S10	168.25	VHF	240.25	VHF	193.25	VHF
S11	231.25	VHF	248.25	VHF	199.25	VHF
S12	238.25	VHF	256.25	VHF	205.25	VHF
S13	245.25	VHF	264.25	VHF	211.25	VHF
S14	252.25	VHF	272.25	VHF	121.25	VHF
S15	259.25	VHF	280.25	VHF	127.25	VHF
S16	266.25	VHF	288.25	VHF	133.25	VHF
S17	273.25	VHF	296.25	VHF	139.25	VHF
S18	280.25	VHF	304.25	UHF	145.25	VHF
S19	287.25	VHF	312.25	UHF	151.25	VHF
S20	294.25	VHF	320.25	UHF	157.25	VHF
S21	303.25	UHF	328.25	UHF	163.25	VHF
S22	311.25	UHF	336.25	UHF	169.25	VHF
S23	319.25	UHF	344.25	UHF	217.25	VHF
S24	327.25	UHF	352.25	UHF	223.25	VHF
S25	335.25	UHF	360.25	UHF	229.25	VHF
S26	343.25	UHF	368.25	UHF	235.25	VHF
S27	351.25	UHF	376.25	UHF	241.25	VHF
S28	359.25	UHF	384.25	UHF	247.25	VHF
S29	367.25	UHF	392.25	UHF	253.25	VHF
S30	375.25	UHF	400.25	UHF	259.25	VHF
S31	383.25	UHF	408.25	UHF	265.25	VHF
S32	391.25	UHF	416.25	UHF	271.25	VHF
S33	399.25	UHF	424.25	UHF	277.25	VHF
S34	407.25	UHF	432.25	UHF	283.25	VHF
S35	415.25	UHF	440.25	UHF	289.25	VHF
S36	423.25	UHF	448.25	UHF	295.25	VHF
S37	431.25	UHF	456.25	UHF	301.25	UHF
S38	439.25	UHF	x	x	307.25	UHF
S39	447.25	UHF	x	x	313.25	UHF
S40	455.25	UHF	x	x	319.25	UHF
S41	463.25	UHF	x	x	325.25	UHF
S42					331.25	UHF
S43					337.25	UHF
S44					343.25	UHF
S45					349.25	UHF
S46					355.25	UHF
S47					361.25	UHF
S48					367.25	UHF
S49					373.25	UHF
S50					379.25	UHF
S51					385.25	UHF
S52					391.25	UHF
S53					397.25	UHF
S54					403.25	UHF
S55					409.25	UHF
S56					415.25	UHF
S57					421.25	UHF
S58					427.25	UHF
S59					433.25	UHF
S60					439.25	UHF
S61					445.25	UHF
S62					451.25	UHF
S63					457.25	UHF
S64					463.25	UHF
S65					469.25	UHF

(Unit : MHz)

CH Number	AREA					
	AUSTRALIA	BAND	CHINA	BAND	AMERICA	BAND
S66					475.25	UHF
S67					481.25	UHF
S68					487.25	UHF
S69					493.25	UHF
S70					499.25	UHF
S71					505.25	UHF
S72					511.25	UHF
S73					517.25	UHF
S74					523.25	UHF
S75					529.25	UHF
S76					535.25	UHF
S77					541.25	UHF
S78					547.25	UHF
S79					553.25	UHF
S80					559.25	UHF
S81					565.25	UHF
S82					571.25	UHF
S83					577.25	UHF
S84					583.25	UHF
S85					589.25	UHF
S86					595.25	UHF
S87					601.25	UHF
S88					607.25	UHF
S99					613.25	UHF
S90					619.25	UHF
S91					625.25	UHF
S92					631.25	UHF
S93					637.25	UHF
S94					643.25	UHF
S95					91.25	VHF
S96					97.25	VHF
S97					103.25	VHF
S98					109.25	VHF
S99					115.25	VHF

CATV CH mark (A row) : China area : attach ‘Z’
besides area : attach ‘S’
For example) China : Z10
besides area : S10

2-2. Specification Comparison to Old Models

Model	C350(LA19/22C350D1)	B350(LA26/32B350F1)
Design		
Display Type	LCD TV	LCD TV
Built-in Tuner	O	O
Resolution	1366 x 768	1366 x 768
LCD Panel	TFT LCD Panel 60Hz	TFT LCD Panel 60Hz
Screen Size	19"/22"/26"/32"	26"/32"
Picture ratio	16 : 9	16 : 9
Dimensions (W x H x D)	19 461.2 x 161.0 x 364.0 mm_with stand 461.2 x 59.5(64.4) x 322.2 mm_without stand 22 535.3 x 171.8 x 420.9_with stand 535.3 x 82.2(85.5) x 365.8_without stand 26 673.3 x 222.2 x 513.4 mm_with stand 673.3 x 84.0 x 456.0 mm_without stand 32 795.3 x 247.2 x 585.3 mm_with stand 795.3 x 84.0 x 525.8 mm_without stand	26 664.8 x 214.8 x 496.4mm (with stand) 664.8 x 75.1 x 452.8mm (without stand) 32 664.8 x 214.8 x 496.4mm (with stand) 664.8 x 75.1 x 452.8mm (without stand)
Weight	19 7.1kg_with stand 6.5kg_without stand 22 11.4kg_with stand 9.1kg_without stand 26 6.1kg_with stand 5.6kg_without stand 32 7.6kg_with stand 7.1kg_without stand	26 6.5kg_with stand 5.1kg_without stand 32 11.4kg_with stand 9.1kg_without stand
Brightness	19"/22"/26" : 350 nit 32" : 400 nit	450 nit
Contrast Ratio	3000:1	3000:1
Picture Enhacer	DNIe(Lola3)	DNIe(Lola3)
Equalizer	O	O
Surround Sound	SRS TruSurround HD	SRS TruSurround HD
Speaker Output	5W + 5W(26", 32")	5W + 5W (26", 32")
Antenna	1	1

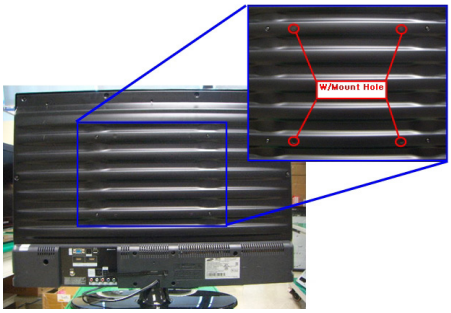
2-3. Detail Factory Option

※ If you replace the main board with new one, please change the factory option as well.
The options you must change are "Type".

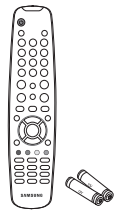
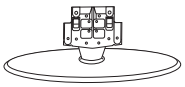
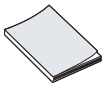
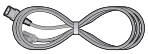
Model Name			LA19C350D1	LA22C350D1	LA26C350D1	LA32C350D1
Panel		Vendor	SEC	CHILIN	CHILIN	CHILIN
		CODE	BN07-00703A	BN07-00744A	BN07-00866A	BN07-00867A
		SPEC	LTM185AT01-V	T216HA01-DB	T26OHA01-DB	T3I5HA01-DB
SMPS		IP Board (SEC)	BN44-00328A	BN44-00366A	BN44-00368A	BN44-00369A
Byte	Item	CHASSIS ASS'Y	BN91-05073A	BN91-05073A	BN91-004769A	BN91-004769A
		PBA ASSY CODE	BN94-03360A	BN94-03360A	DN94-02649A	DN94-02649A
0	Factory Reset	-	-	-	-	-
1	Type	1906THOC ~ 32D6AHOC	19A6THOC	22P6THOC	26P6AHOC	32P6AHOC
2	Model	LC350	LC350_19	LC350_22	LC350	LC350
3	Tuner	SEMCO/Xugang	Xugang	Xugang	Xugang	Xugang
4	DDR	SAMSUNG	SAMSUNG	SAMSUNG	SAMSUNG	SAMSUNG
5	ch Table	SUWON ~ TSE	SUWON	SUWON	SUWON	SUWON
6	Local set	East Asia ~ Middle Asia	East Asia	East Asia	East Asia	East Asia
7	P&P Language	English ~ Russian	English	English	English	English
8	PDP Group	P45A_42SN ~ P55A_50SP	-	-	-	-

2-4. Wall Mount

* The wall mount's SCREW point have Filim tape for Dust protection(Panel).
  So, If User want use Wall mount, Remove Wall mount's Film tape.

Model	LC3D(LA**C350D1D)
Wall mount Point	 * LC3D Model 's Wall mount point have Film tape
How to connect wall mount	1. Check the wall mount's Film.
	2. Delete Wall mount's Flim. (Push the Flim by Pen or Pinset, and pull the Film)
	3. Connect wall mount.
SCREW Size	Type : machine Size : M4 x L12 (26") / M6 x L12 (32")

2-5. Accessories

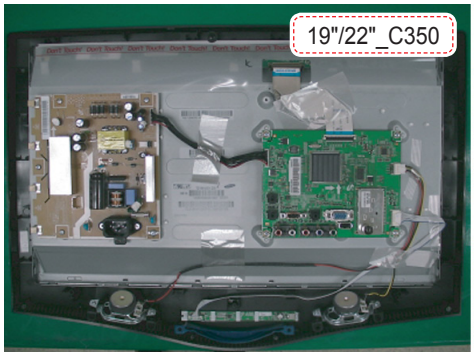
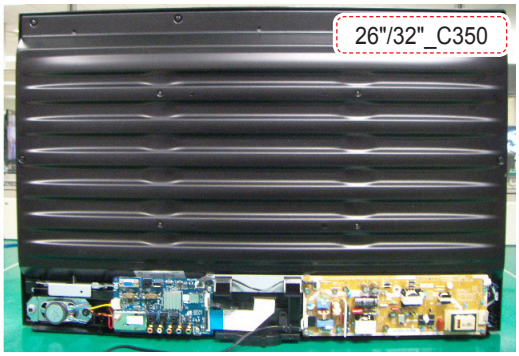
Product	Description	Code. No	Remark
	Remote Control & Batteries (AAA x 2)	BN59-01003A	Samsung Electronics Service center
	Stand	LC350 19" : BN90-02525A LC350 22" : BN90-02281A LC350 32" : BN90-02527A LC350 26" : BN90-02526A	
	Screw (for the stand - M4, L16)	6002-001294 (19", 22" : 2 Screws 26", 32" : 3 Screws)	
	Owner's Instructions	BN68-02683A	
	Cleaning Cloth	BN63-01798B	
	Warranty Card / Registration Card / Safety Guide Manual (Not available in all locations)	AA68-03242M	
	Power Cord	19", 22" : 3903-000172	

4. Troubleshooting

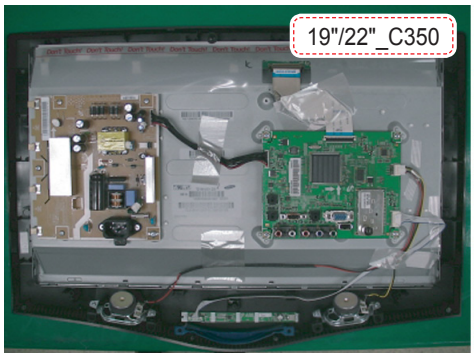
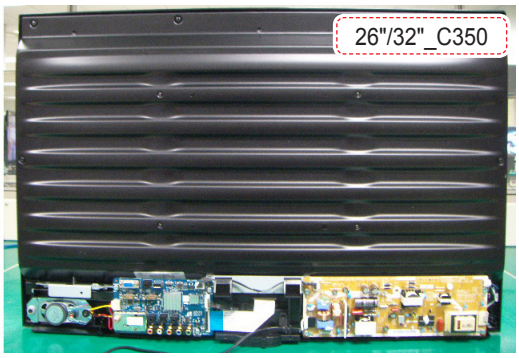
4-1. Troubleshooting

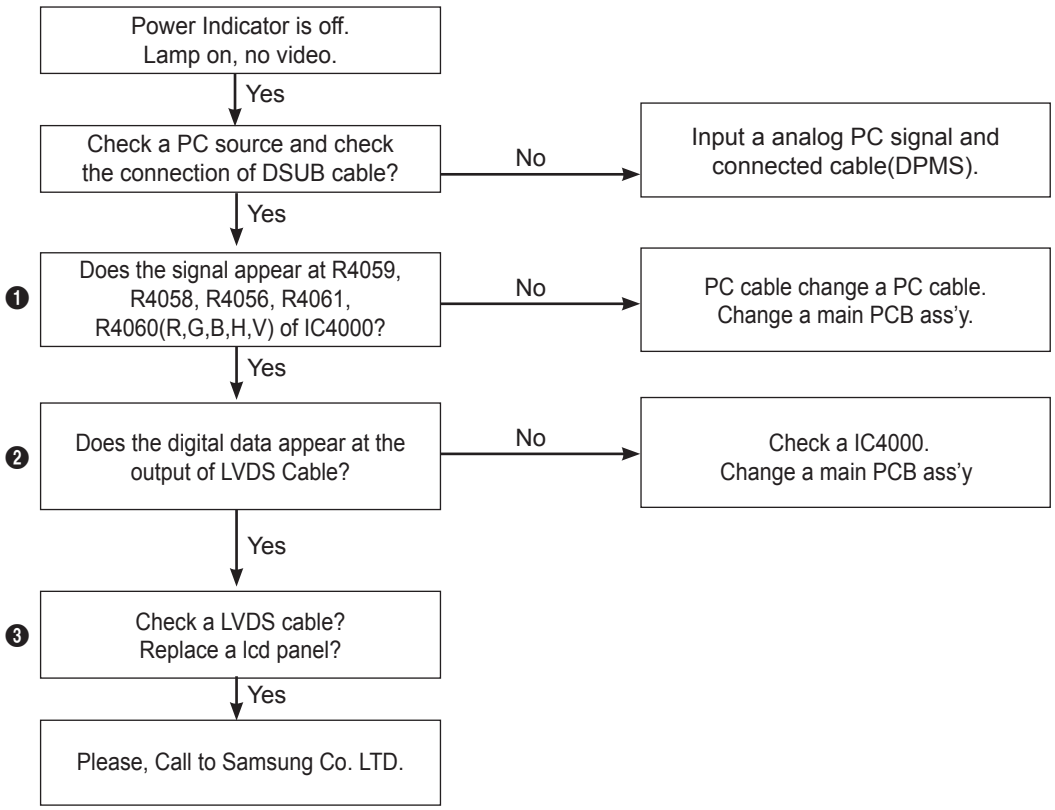
1. Check the various cable connections first.
   • Check to see if there is a burnt or damaged cable.
   • Check to see if there is a disconnected or loose cable connection.
   • Check to see if the cables are connected according to the connection diagram.
2. Check the power input to the Main Board.
   Check internal Pattern lola3 if fhere is some picture noise.
   Factory mode(Info-MENU-Mute-power on → Advanced menu → MST69A84HQ → Pattern select : Off
   Press right button of Remocon.
   If lola3 NG, Chahge the Main Board.

4-1-1. No Power

Symptom	– The LEDs on the front panel do not work when connecting the power cord. – The SMPS relay does not work when connecting the power cord. – The units appears to be dead.
Major checkpoints	The IP relay or the LEDs on the front panel does not work when connecting the power cord if the cables are improperly connected or the Main Board or SMPS is not functioning. In this case, check the following: – Check the internal cable connection status inside the unit. – Check the fuses of each part. – Check the output voltage of SMPS. – Replace the Main Board.
Diagnostics	  LAMP off, power indicator LED red color? — No → Check a connection a power cable. Yes ❶ Does proper DC5V appear at pin 6 of CN1001? — No → Change a Assy PCB Power. Yes ❷ Does proper DC A3.3V appear at R1111? — No → Check a IC1106 Change a main PCB ass'y Yes ❸ Does proper DC A2.5V, A1.2V appear at R1110, C1116? — No → Check a IC1105, IC1107 Change a main PCB ass'y Yes ❹ A power is supplied to set?
Caution	Make sure to disconnect the power before working on the IP board.

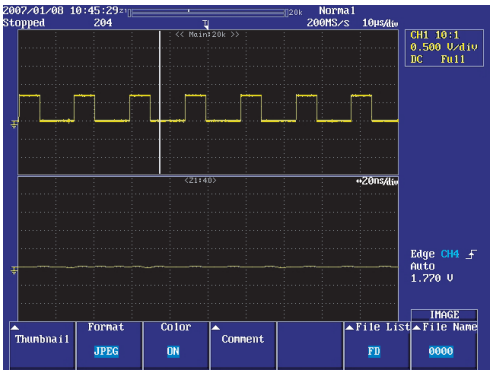
4-1-2. No Video (Analog PC signal)

Symptom	– Audio is normal but no picture is displayed on the screen.
Major checkpoints	– Check the PC source – Check the M-star – This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	 
Caution	Make sure to disconnect the power before working on the IP board.

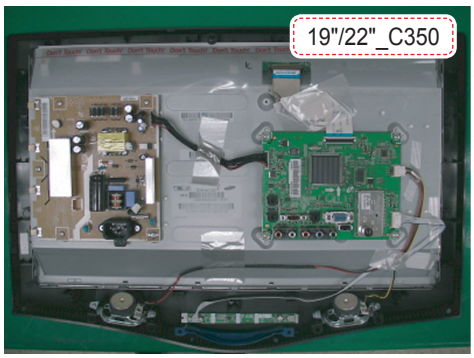
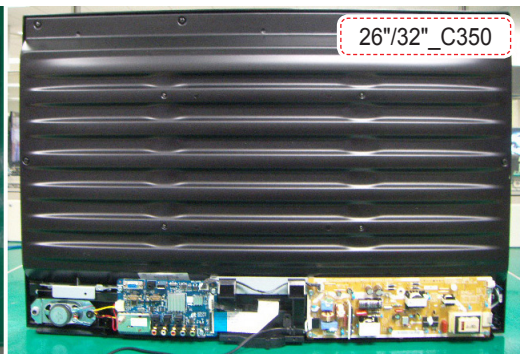

Power Indicator is off.
Lamp on, no video.
Yes
Check a PC source and check the connection of DSUB cable?
No
Input a analog PC signal and connected cable(DPMS).
Yes
❶
Does the signal appear at R4059, R4058, R4056, R4061, R4060(R,G,B,H,V) of IC4000?
No
PC cable change a PC cable. Change a main PCB ass'y.
Yes
❷
Does the digital data appear at the output of LVDS Cable?
No
Check a IC4000. Change a main PCB ass'y
Yes
❸
Check a LVDS cable? Replace a lcd panel?
Yes
Please, Call to Samsung Co. LTD.

■ WAVEFORMS

❶	R,G,B Output Signal

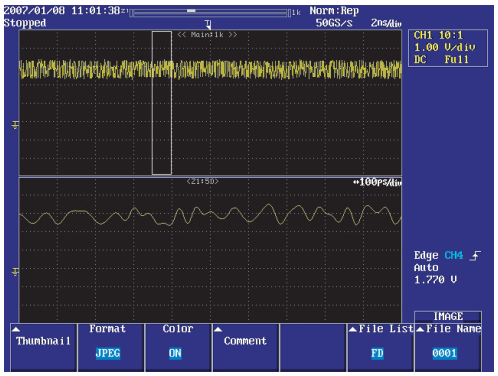


4-1-3. No Video (HDMI - Digital Signal)

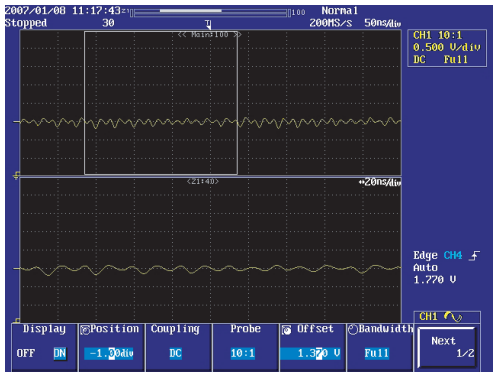
Symptom	– Audio is normal but no picture is displayed on the screen.
Major checkpoints	– Check the HDMI source – Check the M-star – This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	  Power Indicator is off. Lamp on, no video. Yes ❶ Check the connection of HDMI cable? — No → Input a HDMI cable. Yes ❷ Does the digital data appear at R4065~R4072? — No → Check a IC4000. Change a main PCB ass'y. Yes ❸ Does the digital data appear at output of LVDS Cable? — No → Check a IC4000. Change a main PCB ass'y. Yes Check the LVDS cable? Replace the LCD panel? Yes Please, Contact Tech support
Caution	Make sure to disconnect the power before working on the IP board.

■ WAVEFORMS

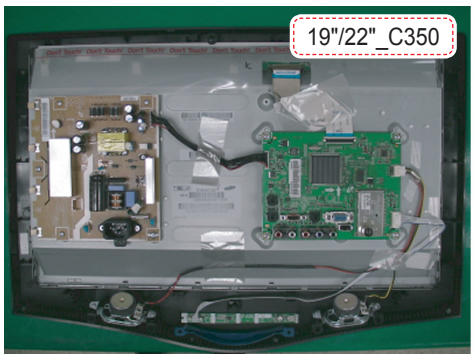
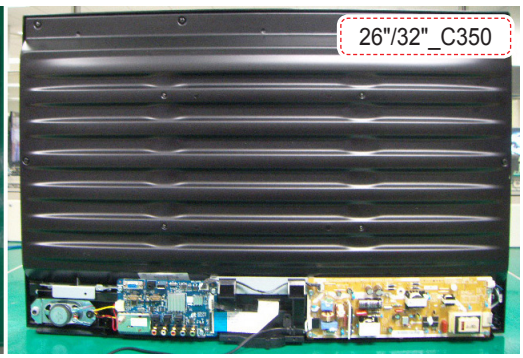
❷	Digital Output Data



❸	Signal of HDMI(Data)

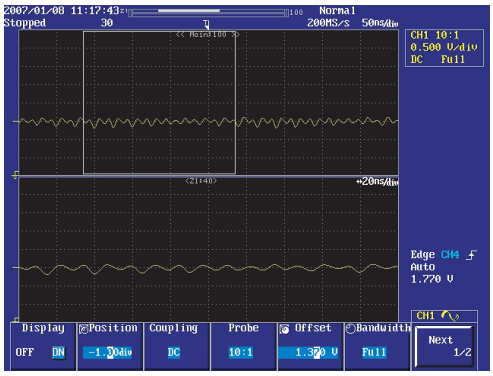


4-1-4. No Video (Tuner_CVBS)

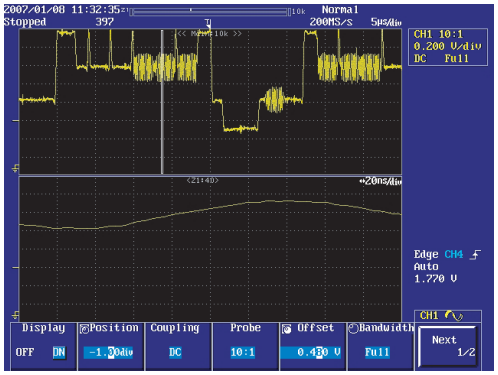
Symptom	– Audio is normal but no picture is displayed on the screen.
Major checkpoints	– Check the Tuner CVBS source – Check the M-star – This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	  Power Indicator is off. Lamp on, no picure. → No → Connect the RF cable and check RF signal. ↓ Yes Does the signal appeat #8 of TU2400? → No → Check a B+ voltage (#2 of Tuner) 5V, change a main PCB ass'y. ↓ Yes Does the Signal appear at C4022 of IC4000? → No → Change a main PCB ass'y. ↓ Yes Check the LVDS cable? Replace the LCD panel? ↓ Yes Please, Call to Samsung Co. LTD.
Caution	Make sure to disconnect the power before working on the IP board.

■ WAVEFORMS

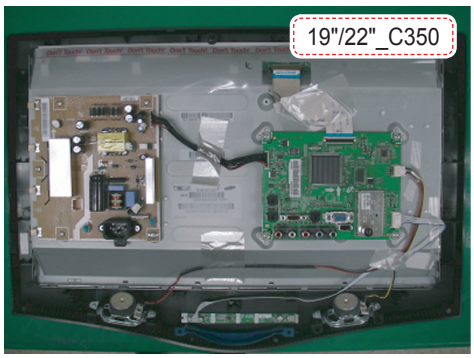
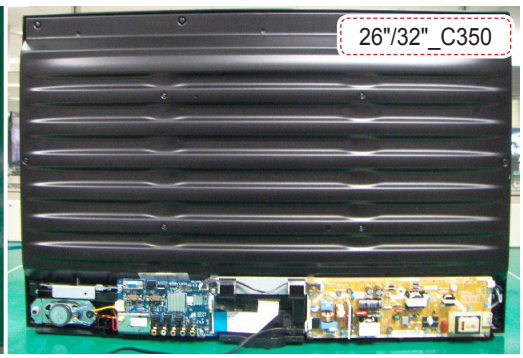
❸	CVBS Output Signal



❹	Tuner_CVBS Output Signal

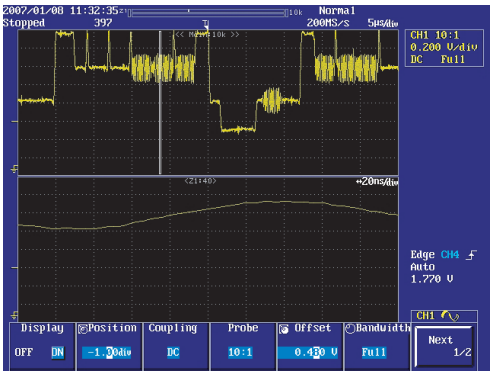


4-1-5. No Picture (Video_CVBS)

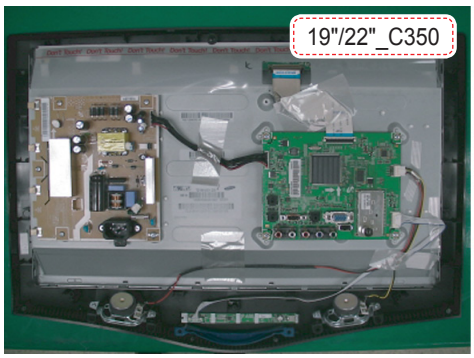
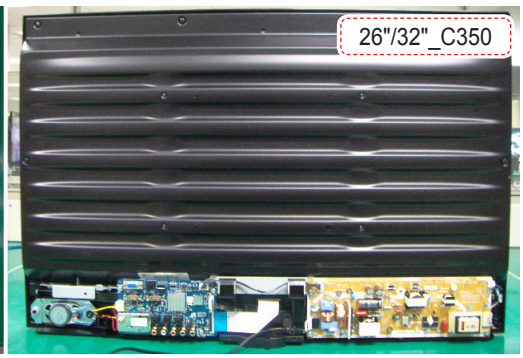
Symptom	– Audio is normal but no picture is displayed on the screen.
Major checkpoints	– Check the Video Source – Check the M-star – This may happen when the LVDS cable connecting the Main Board and the Panel is disconnected.
Diagnostics	  Power Indicator is off. Lamp on, no picture. → No → Check a A/V cable and video signal. Yes ↓ ❶ Does the signal appear at C4025 of IC4000? → No → Check a connection harness. Yes ↓ ❷ Check a LVDS cable ? Replcelcd panel? Yes ↓ Please, Call to Samsung Co. LTD.
Caution	Make sure to disconnect the power before working on the IP board.

■ WAVEFORMS

❹	CVBS Output Signal

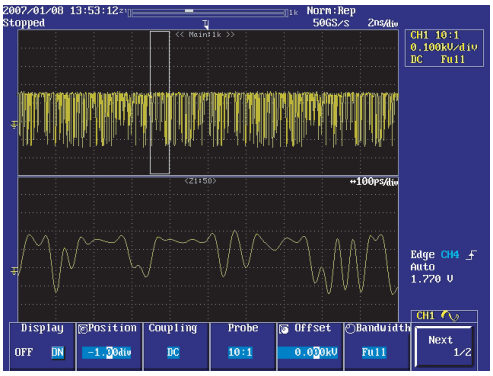


4-1-6. No Sound

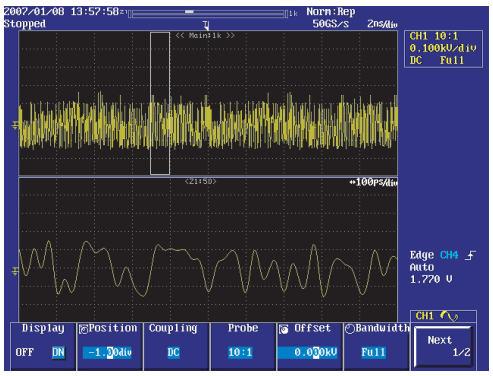
Symptom	– Video is normal but there is no sound.
Major checkpoints	– When the speaker connectors are disconnected or damaged. – When the sound processing part of the Main Board is not functioning. – Speaker defect.
Diagnostics	  Check the source and check the connection of sound cable (Comp/PC/DVI to HDMI)? → No → Input the sound source properly. ↓ Yes Does the sound data appear at R5032, R5031(AV2 R/L), R5036, R5037(AV1 R/L), R5017, R5018 (Comp1 R/L), R5009, R5010 ? → No → Check JA5004/JA5005/JA5001/JA4001. Change the Main Assy. BN94-02709A ↓ Yes Does the DC B3.3VD, B13VS appear at R2013, BD1006? → No → Change the Main Assy. BN94-02709A ↓ Yes Does the sound data appear at C2056, C2054 (R +/-) C2053, C2055 (L +/-)? → No → Check IC6003 (SEMS03). Check IC2001 (Sound AMP). Change the Main Assy. BN94-02709A ↓ Yes Replace speaker? → No → Please, Contact Tech support.
Caution	Make sure to disconnect the power before working on the IP board.

■ WAVEFORMS

❻	**The Signal are Inputed to IC1201**



❼	**The Signal are Inputed to IC1202**



4-2. Alignments and Adjustments

4-2-1. General Alignment Instuction

1. Usually, a color LCD-TV needs only slight touch-up adjustment upon installation. Check the basic characteristics such as height, horizontal and vertical sync.
2. Use the specified test equipment or its equivalent.
3. Correct impedance matching is essential.
4. Avoid overload. Excessive signal from a sweep generator might overload the front-end of the TV. When inserting signal markers, do not allow the marker generator to distort test result.
5. Connect the TV only to an AC power source with voltage and frequency as specified on the backcover nameplate.
6. Do not attempt to connect or disconnect any wire while the TV is turned on. Make sure that the power cord is disconnected before replacing any parts.
7. To protect against shock hazard, use an isolation transformer.

4-3. Factory Mode Adjustments

4-3-1 Entering Factory Mode

To enter 'Service Mode' Press the remote -control keys in this sequence :

- If you do not have Factory remote - control

INFO → MENU → MUTE → Power on

- If you have Factory remote - control

INFO → FACTORY

- The buttons are active in the service mode.
1. Remote - Control Key : Power, Arrow Up, Arrow Down, Arrow Left
   Arrow Right, Menu, Enter, Number Key(0~9)
2. Function - Control Key : Power, CH +, CH -, VOL +, VOL -,
   Menu, TV/VIDEO(Enter)

4-3-2 Panel Check

You have to check Panel Maker Because of different adjustments as follows.
First of all, Check the label rating!

1) Label Rating File
   - LCD PANEL MARK
     A:ACER(AUO) S : SEC C : CMO

* If not printed you could consider S(sec) panel mark.

4-3-3 Factory Data

■ Option

Option	Factory Reset		
	Type	22D_T,22I_T,22L_T,26D_AG, 26L_AG, 32L_AG, 32D_AG, 37L_AG, 40L_AG, 32A_AG_F, 32L_AG_F, 32D_AG_F, 32I_AG_F, 37L_AG_F, 37D_AG_F, 40A_AG_F, 40L_AG_F, 40D_AG_F, 46A_AG_F, 46L_AG_F, 46D_AG_F, 32A_AG_FF, 32L_AG_FF, 32D_AG_FF, 40A_AG_FF, 40L_AG_FF, 40D_AG_FF, 46A_AG_FF, 46D_AG_FF, 52A_AG_FF, 52L_AG_FF	
	Model	PB430, PB450, PB550_FBE, PB550, LB350, LB360, LB360_22, LB450, LB450_22, LB460, LB480, LB480_22, LB650, LB530, LB550, B550_FBE, LB550_FBE_NM	
	Tuner Select	SEMCO, XUGUANG	
	DDR	Samsung	
	Ch Table	SUWON, SESK, SEH, TTSEC, SEIN, SDMA, TSED, SAVINA, SIEL_C, SIEL_N, TSE	
	Local Set	Vietnam, China, India, Iran, Israel, Middle Asia, East Asia, Africa	
	P&P Language	English, Thai, China, French, Arabic, Persia, Hebrew, Russian	
	PDP Group	P43A_42SN, P43A_50SN, P45A_42SP, P45A_50SP, P55A_50SP	

■ ADC/WB

ADC	AV Calibration	Success/Failure	
	Comp Calibration	Success/Failure	
	PC Calibration	Success/Failure	
	HDMI Calibration	Success/Failure	
ADC Target	1st_AV_Low	0 ~ 255	
	1st_AV_High	0 ~ 255	
	1st_AV_Delta	0 ~ 255	
	1st_Comp_Low	0 ~ 255	
	1st_Comp_High	0 ~ 255	
	1st_Comp_Delta	0 ~ 255	
	1st_PC_Low	0 ~ 255	
	1st_PC_High	0 ~ 255	
	1st_PC_Delta	0 ~ 255	
	2nd_Low	0 ~ 255	
	2nd_High	0 ~ 255	
	2nd_Delta	0 ~ 255	

ADC Result	1st_AV_Gain	0 ~ 255	
	1st_AV_Offset	0 ~ 255	
	1st_Comp_Gain	0 ~ 255	
	1st_Comp_Gain_Cb	0 ~ 255	
	1st_Comp_Gain_Cr	0 ~ 255	
	1st_Comp_Offset	0 ~ 255	
	1st_Comp_Offset_Cb	0 ~ 255	
	1st_Comp_Offset_Cr	0 ~ 255	
	1st_PC_R_Gain	0 ~ 255	
	1st_PC_G_Gain	0 ~ 255	
	1st_PC_B_Gain	0 ~ 255	
	1st_PC_R_Offset	0 ~ 255	
	1st_PC_G_Offset	0 ~ 255	
	1st_PC_B_Offset	0 ~ 255	
	2nd_R_Offset	0 ~ 255	
	2nd_G_Offset	0 ~ 255	
	2nd_B_Offset	0 ~ 255	
	2nd_R_Gain	0 ~ 255	
	2nd_G_Gain	0 ~ 255	
	2nd_B_Gain	0 ~ 255	
WB	Sub Brightness	0 ~ 255	
	Red Offset	0 ~ 255	
	Green Offset	0 ~ 255	
	Blue Offset	0 ~ 255	
	Sub Contrast	0 ~ 255	
	Red Gain	0 ~ 255	
	Green Gain	0 ~ 255	
	Blue Gain	0 ~ 255	

■ Control

EDID	EDID Protect	On/Off	
	EDID Type		
	EDID Write(0x4D,0)	P12_1024_768, P13_1024_768, P12_1366_768, P13_1366_768, P12_1920_1080, P13_1920_1080, L12_1366_768, L13_1366_768, L12_1920_1080, L13_1920_1080	

Sub Option	Video Mute Time	0~99	
	Inch	19, 22, 23, 26, 27, 32, 37, 40, 42, 46, 50, 52, 57	
	Dimm Type	EXT, INT, INT_NEG,EXT_POS, EXT_NEG	
	D.Gamma	Off, 0.85, 0.88, 0.90, 0.93, 0.95, 0.98, M1, M2, M3, M4	
	TTX	On/Off	
	TTX List	Flof/List	
	TTX Group	Lang OSD, W Europe, E Europe, Russia, Greek, Turkey, Arab, Farsi, ArabHbrw	
	High Devi	On/Off	
	Volume Curve	EA, INDIA	
	NT Conversion	On/Off	
	Unbalance	On/Off	
	Language Group	East Asia, Iran, Israel, Middle Asia	
	Anynet+	On/Off	
	Auto Power	On/Off	
	LNA Menu	On/Off	
	LVDS Format	DEFAULT, VESA, JEIDA	
	Carrier Mute	On/Off	
	HDMI EQ1	Off, Low, Middle, Strong	
	HDMI EQ2	Off, Low, Middle, Strong	
	HDMI EQ3	Off, Low, Middle, Strong	
	HDMI EQ4	Off, Low, Middle, Strong	
	WatchDog	On/Off	
	Bus Stop		
	Panel Auto Setting		
	HotPlug	On/Off	
	HotPlugCtrl	On/Off	
	HotPlugDelay	0~63	
	FM Radio RSSI	0~127	
	FM Radio SNR	0~127	
	H/W Auto Mute	On/Off	
	No Signal Mute Time	0 ~ 255	
	USB Upgrade	On/Off	

	Spread Spectrum	Spread Spectrum	On/Off
		Step 1	0~255
		Step 2	0~255
		Range 1	0~255
		Range 2	0~255
		FBE SSC	On/Off

PDP Option	PixelShift Test	On/Off	
	Logic Download	On/Off	
	Pattern Select		
	FRC Mode	100Hz/Repeat	
	FRC DBG MarkOn	0~31	
	FRC Bypass	On/Off	
	FRC MV Force	On/Off	
	MB SW	On/Off	
	MB Offset1	0~255	
	Ve Control	On/Off	
	DRC	On/Off	
	Logic USB D/L	On/Off	
	Panel Ver.		
	Panel Inch		
	Type		
	Panel Temp.		
	Logic Sw Ver.		
	Checksum		
	SAPC Timer		
	APC Speed		

Hotel Option	Hotel Mode	On/Off	
	Power On Channel	0~99	
	Power On Band		
	Power On Source	TV, AV1, AV2, Compon1, Component2, PC, HDMI1, HDMI2, HDMI3, HDMI4	
	Power On Volume	0 ~ 100	
	Min Volume	0 ~ 100	
	Max Volume	0 ~ 100	
	Local Key Lock	On/Off	
	Picture Menu Lock	On/Off	
	VideoMute Ch		
	VideoMuteChOnOff	On/Off	
	Music Mode AV1	On/Off	
	Music Mode AV2	On/Off	
	Music Mode PC	On/Off	
	Music Mode Comp1	On/Off	
	Music Mode Comp2	On/Off	
	Music Mode BLU	On/Off	
	Menu Display	On/Off	
	ActiveSource Select	On/Off	
	Power On Option	LAST OPT, STN-BY, Power On	
	Auto PC	On/Off	
	Energy Saving	Off, Low, Medium, High	
	Cloning: TV to USB		
	Cloning: USB to TV		
Shop Option	Shop Mode	On/Off	

Sound	Detection Threshold	M2S Thr High	0~255
		M2S Thr Low	0~255
		S2M Thr High	0~255
		S2M Thr Low	0~255
		Amp On Thr High	0~255
		Amp On Thr Low	0~255
		Amp Off Thr High	0~255
		Amp Off Thr Low	0~255
		NSR On Thr High	0~255
		NSR On Thr Low	0~255
		NSR Off Thr High	0~255
		NSR Off Thr Low	0~255
		Amp On Thr High	0~255
		Amp On Thr Low	0~255
		Amp Off Thr High	0~255
		Amp Off Thr Low	0~255
		NSR On Thr High	0~255
		NSR On Thr Low	0~255
		NSR Off Thr High	0~255
		NSR Off Thr Low	0~255
	FM Prescale	0~40	
	AM Prescale	0~40	
	NICAM Prescale	0~40	
	FM M Prescale	0~40	
	SC1 Vol	0~40	
	SC2 Vol	0~40	
	Audio Delay Normal	0~255	
	Audio Delay Game	0~255	
	Num Of Check	0~60	
	Stereo Cnt	0~60	
	MP3 Level	0~60	
	Ext Volume Scale	0~100	
	R2E Scart2 Offset	0~40	
	NTP Master Volume	0~48	
	NTP PWM Modulation	0~255	
	NTP DRC Thresh1	0~127	
	NTP DRC Thresh2	0~127	
	NTP Speaker EQ	On/Off	

■ Advanced Menu

MST69A84HQ	VDEC		
		SYNC_LVL	0~255
		HPLL_MD	0~1
		HPLL_SPD1	0~63
		HPLL_SPD2	0~255
		CBCRLP_MD	0~3
		YC_DLY	0~3
		IFCOMP	0~63
		SAT_ADJ	0~255
		YSEPFLT	0~7
		NOISE_LVL	0~255
	IPC/MJC		
		Film Det Speed NT	0~255
		Film Det Speed PAL	0~255
		Motion Hist	0~7
		Motion History	0~7
	Color Space		
		Red Sat	0~30
		Red Hue	0~127
		Green Sat	0~30
		Green Hue	0~127
		Blue Sat	0~30
		Blue Hue	0~127
		Cyan Sat	0~30
		Cyan Hue	0~127
		Magenta Sat	0~30
		Magenta Hue	0~127
		Yellow Sat	0~30
		Yellow Hue	0~127
		FWC Blue	0~30
		FWC Red	0~30
	Pattern Select	Off, 16Gray, 32Gray, 64Gray, 256Gray, Color Bar, BW Line, BW Dot, Black, White, Red, Green, Blue	

FBE	Pattern Select	0~25	
	B-Slope Gain	0~255	
	B-Tilt Min	0~255	
	B-Tilt Max	0~255	
	LFuc-Basis	0~255	
	HFuc-Basis	0~255	
	Mean-Offset1	0~255	
	Mean-Offset2	0~255	
	Mean-Slope	0~255	
	ACR Offset	0~127	
	ACR Th1	0~255	
	ACR Th2	0~255	
	Skin Enable	0~255	
	Skin Uv	0~255	
	Mskin Uv	0~255	
	Sub Color	0~255	
	Msub Color	0~255	
WB Movie	WB Moive	On/Off	
	Color Mode	Dynamic, Standard, Movie	
	Color Tone	Cool, Normal, Warm1, Warm2	
	Msub Brigh	0~255	
	Msub Contr	0~255	
	W1_RGAIN	0~255	
	W1_BGAIN	0~255	
	W1_ROFFS	0~255	
	W1_BOFFS	0~255	
	W2_RGAIN	0~255	
	W2_BGAIN	0~255	
	W2_ROFFS	0~255	
	W2_BOFFS	0~255	
	NO_RGAIN	0~255	
	NO_BGAIN	0~255	
	NO_ROFFS	0~255	
	NO_BOFFS	0~255	
	Movie_Contr	0~100	
	Movie_Brigh	0~100	
	Moive_Color	0~100	
	Moive_Sharp	0~100	
	Moive_Tint	0~100	
	Mv BkLight	0~10	
	M.Gamma	-5~5	
	M.S.Gamma	-3~3	

EPA Standard	Std Contr	0~100	
	Std Bright	0~100	
	Std Sharp	0~100	
	Std Color	0~100	
	Std Tint	0~100	
	Std Backlight	0~10	
Adjsut	Dynamic Dimming	On/Off	
	Dynamic CE		
		Dynamic CE	On/Off
		B Slope	On/Off
	LNA Plus	RF Db 0 Level	0~255
		RF Db 1 Level	0~255
		RF Db 2 Level	0~255
		RF Db 3 Level	0~255
	Megazine LNA	On/Off	
	UART Select	On/Off	
	Debug Mode	Normal, NONE, MSTAR, Run Time	
	BackEndMute	On/Off	
	Hp Detect	High/Low	
	?????(HDCP Write)	If you change Debug Mode MSTAR, you can write HDCP	
	PDP FRC	On/Off	
	Visual Test	On/Off	
	FWC	On/Off	
	Comp SOG	0~31	
YC Delay	PAL BG	0~3	
	PAL DK	0~3	
	PAL I	0~3	
	SECAM BG	0~7	
	SECAM DK	0~7	
	SECAM L	0~7	
	NTSC 358	0~3	
	NTSC 443	0~3	
	AV PAL	0~3	
	AV SECAM	0~7	
	AV NT358	0~3	
	AV NT443	0~3	
	AV PAL60	0~3	

Sharpness	H1 Gain	0~63	
	H2 Gain	0~63	
	H3Gain	0~63	
	H4 Gain	0~63	
	V1 Gain	0~63	
	V2 Gain	0~63	
	H Overshoot B1	0~255	
	H Overshoot B2	0~255	
	V Overshoot B5	0~255	
	V Overshoot B8	0~255	
	H Undershoot B1	0~255	
	H Undershoot B2	0~255	
	V Undershoot B5	0~255	
	V Undershoot B8	0~255	
	Coring TH2	0~15	
	Coring TH1	0~15	
PQ Others	7.5IRE NTSC	On/Off	
	7.5IRE OFFSET	0~25	
PE	Skin X	0~11	
	Skin Y	0~11	
	B Slope	0~255	
	DLC ML	0~255	
	DLC_MH	0~255	
	DLC_H	0~255	
	Skin_SAT	0~15	
	Skin_Hue	0~127	
	M_Skin_Hue		
	M_Skin_X	0~11	
	M_Skin_Y	0~11	
	Mid_color_level	0~255	
	M_Mid_color_level	0~255	
EEPROM Reset	EEPROM Reset	OK	
	NVR All Clear	On/Off	
Defect Log	LogList1		
	LogList2		
	LogList3		

4-4. White Balance - Calibration

4-4-1 White Balance -Calibration

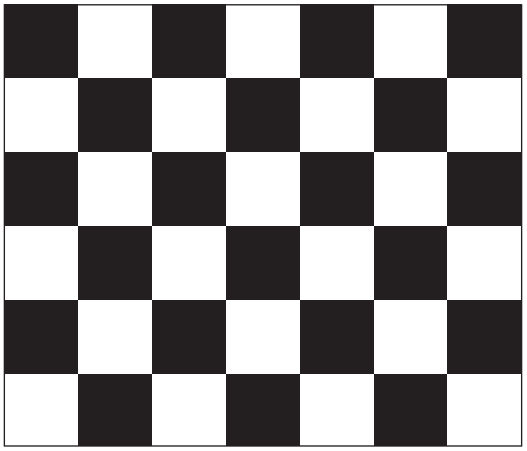
1. Calibration	→	AV Calibration Comp Calibration PC Calibration HDMI Calibration

4-4-2 Service Adjustment

You must perform Calibration in the Lattice Pattern before adjusting the White Balance.

■ Color Calibration

Adjust spec.
1. Source : HDMI
2. Setting Mode : 1280*720@60Hz
3. Pattern : Pattern #24 (Chess Pattern)



(Chess Pattern)

4. Use Equipment : CA210 & Master MSPG925 Generator

- Use other equipment only after comparing the result with that of the Master equipment.

Input mode	Calibration	Pattern
CVBS IN (Model_#1)	Perform in NTSC B&W Pattern #24	Lattice
Component IN (Model_#6)	Perform in 720p B&W Pattern #24	Lattice
PC Analog IN (Model_#21)	Perform in VESA XGA (1024x768) B&W Pattern #24	Lattice
HDMI IN	Perform in 720p B&W Pattern #24	Lattice

<Table 1>

■ Method of Color Calibration (AV)

1) Apply the NTSC Lattice (N0. 3) pattern signal to the AV IN 1 port
2) Press the Source key to switch to “AV1" mode
3) Enter Service mode
4) Select the “Calibration" menu
5) Select the “AV Calibration" menu.
6) In “AV Calibration Off" status, press the “►" key to perform Calibration.
7) When Calibration is complete, it returns to the high-level menu.
8) You can see the change of the “AV Calibration" status from Failure to Success.

■ Method of Color Calibration (Component)

1) Apply the 720p Lattice (N0. 6) pattern signal to the Component IN 1 port
2) Press the Source key to switch to “Component1" mode
3) Enter Service mode
4) Select the “Calibration" menu
5) Select the “Comp Calibration" menu.
6) In “Comp Calibration Off" status, press the “►" key to perform Calibration.
7) When Calibration is complete, it returns to the high-level menu.
8) You can see the change of the “Comp Calibration" status from Failure to Success.

■ Method of Color Calibration (PC)

1) Apply the VESA XGA Lattice (N0. 21) pattern signal to the PC IN port
2) Press the Source key to switch to “PC" mode
3) Enter Service mode
4) Select the “Calibration" menu
5) Select the “PC Calibration" menu.
6) In “PC Calibration Off" status, press the “►" key to perform Calibration.
7) When Calibration is complete, it returns to the high-level menu.
8) You can see the change of the “PC Calibration" status from Failure to Success.

■ Method of Color Calibration (HDMI)

1) Apply the 720p Lattice (N0. 6) pattern signal to the HDMI1/DVI IN port
2) Press the Source key to switch to “HDMI1" mode
3) Enter Service mode
4) Select the “Calibration" menu
5) Select the “HDMI Calibration" menu.
6) In “HDMI Calibration Off" status, press the “►" key to perform Calibration.
7) When Calibration is complete, it returns to the high-level menu.
8) You can see the change of the “HDMI Calibration" status from Failure to Success.

4-4-3 White Balance - Adjustment

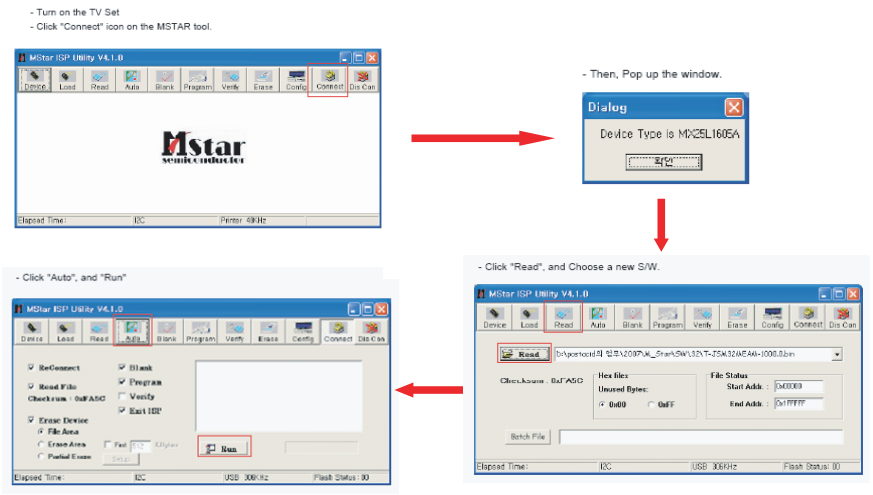
		(low light)	(hight light)
5. W/B	→	Sub Bright R offset G offset B offset	Sub Contrast R gain G gain B gain

(W/B adjustment Condition refer next page)

4-5. How To Upgrade

4-5-1 Software Upgrade (MSTAR ISP Tool)

MSTAR ISP TOOL

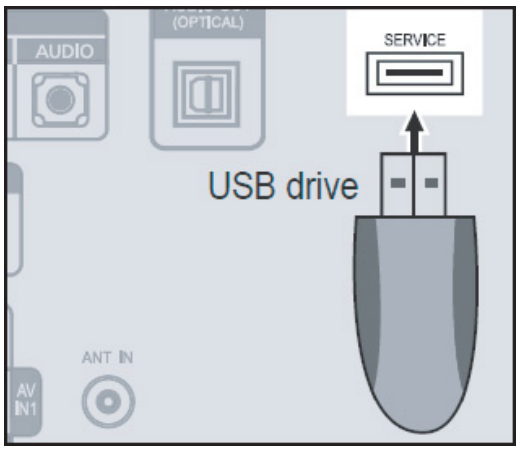

- Turn on the TV Set
- Click "Connect" icon on the MSTAR tool.
- Then, Pop up the window.
Dialog
Device Type is MX25L1605A
- Click "Read", and Choose a new S/W.
- Click "Auto", and "Run"

4-6. Servicing Information

4-6-1 USB Download Method

Samsung may offer upgrades for TV's firmware in the future. Please contact the Samsung call center to receive information about downloading upgrades and using a USB drive. Upgrades will be possible by connecting a USB drive to the USB port located on your TV.

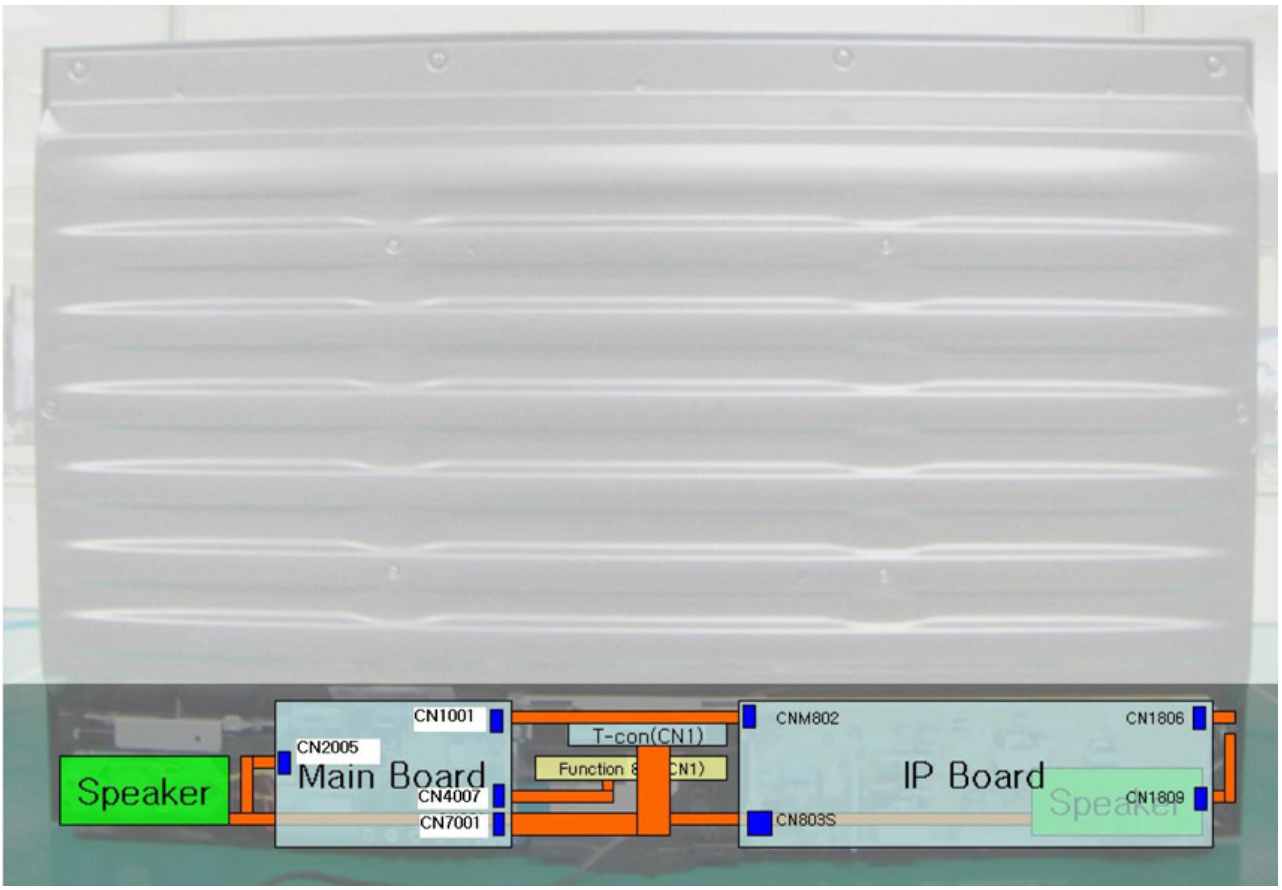
1. Insert a USB drive containing the firmware upgrade into the USB port on the rear of the TV.
2. Enter the factory mode.
   Go to Control → Sub Option, then change "USB Upgrade" from Off to On.
3. Pull out power cord from the Set and re-insert.
4. Power indicator LED Light on.
   And in just a few seconds, The light twinkle faster as time went on.
5. The SET is automatically ON.
   You can watch updated software version that you enter the factory mode.



Please be careful to not disconnect the power or remove the USB drive while upgrades are being applied. The TV will turn off and turn on automatically after completing the firmware upgrade. Please check the firmware version after the upgrades are complete. When software is upgraded, video and audio settings you have made will return to their default (factory) settings. We recommend you write down your settings so that you can easily reset them after the upgrade.

6. Wiring Diagram

6-1. Wiring Diagram



6-2. Connector

CN1001 (to Power board)			
1	PWM Dimming	6	A5V
2	A13V	7	A5V
3	GND	8	B3.3VD
4	GND	9	Inverter
5	GND		

CN2005 (Speaker)			
1	R+	3	L+
2	R-	4	L-

CN2001_HP (Head Phone)			
1	GND	5	NC
2	HP-R	6	GND
3	HP-L	7	IDENT-HP
4	NC		

JA3001 (HDMI1)			
1	HDMI1_RX2+	12	HDMI1_RXCLK-
2	GND	13	NC
3	HDMI1_RX2-	14	GND
4	HDMI1_RX1+	15	HDMI1_DDC_SCL
5	GND	16	HDMI1_DDC_SDA
6	HDMI1_RX1-	17	GND
7	HDMI1_RX0+	18	IDENT_HDMI1
8	GND	19	HDMI1_HOT_PLUG
9	HDMI1_RX0-	20	GND
10	HDMI1_RXCLK+	21	GND
11	GND		

CN3005(PC)			
1	PC_RED	9	PC_5V
2	PC_GREEN	10	IDENT_PC
3	PC_BLUE	11	GND
4	GND	12	SDA_TXD
5	GND	13	PC_H
6	GND	14	PC_V
7	GND	15	SCL_RXD
8	GND		

CN4007 (Function)			
1	IR	5	SDA_TXD
2	GND	6	KEY1
3	A3.3V	7	KEY2
4	SCL_RXD	8	LED

CN4001 (PC/DVI Sound)			
1	GND	5	PC_SL_IN
2	PC_SR_IN	6	PC_SR_IN
3	PC_SL_IN	7	PC_SR_IN
4	PC_SL_IN		

CN5003 (AV2)			
1	GND	6	AV2_SL_IN
2	IDENT_AV2	7	GND
3	AV2_CVBS_IN	8	AV2_SL_IN
4	GND	9	AV2_SR_IN
5	AV2_SR_IN		

CN5001 (Comp1/AV1)			
1	GND	9	COMP1_PR
2	COMP1_Y	10	GND
3	IDENT_AV1	11	COMP1/AV1_SL_IN
4	GND	12	COMP1/AV1_SR_IN
5	COMP1_PB	13	GND
6	IDENT_COMP1	14	COMP1/AV1_SR_IN
7	GND	15	COMP1/AV1_SL_IN
8	COMP1_PR		

6-3. Connector Functions

Connector	Functions
CN1001 ↔ CNM802	Supply main power and dimming signal from IP board to Main Board.
CN7001 ↔ Panel	The LVDS signal transfered from Main Board to Panel.

6-4. Cables

Use	Main IP (12P for LC350)	Main - TCON
Code	26", 32" : BN39-01278A(200mm)	26" : BN96-12463B(160mm) 32" : BN96-12469C(140mm)
Photo		